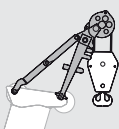


AC 100-4 (L) Tier 4 / Euromot 4



All Terrain Crane

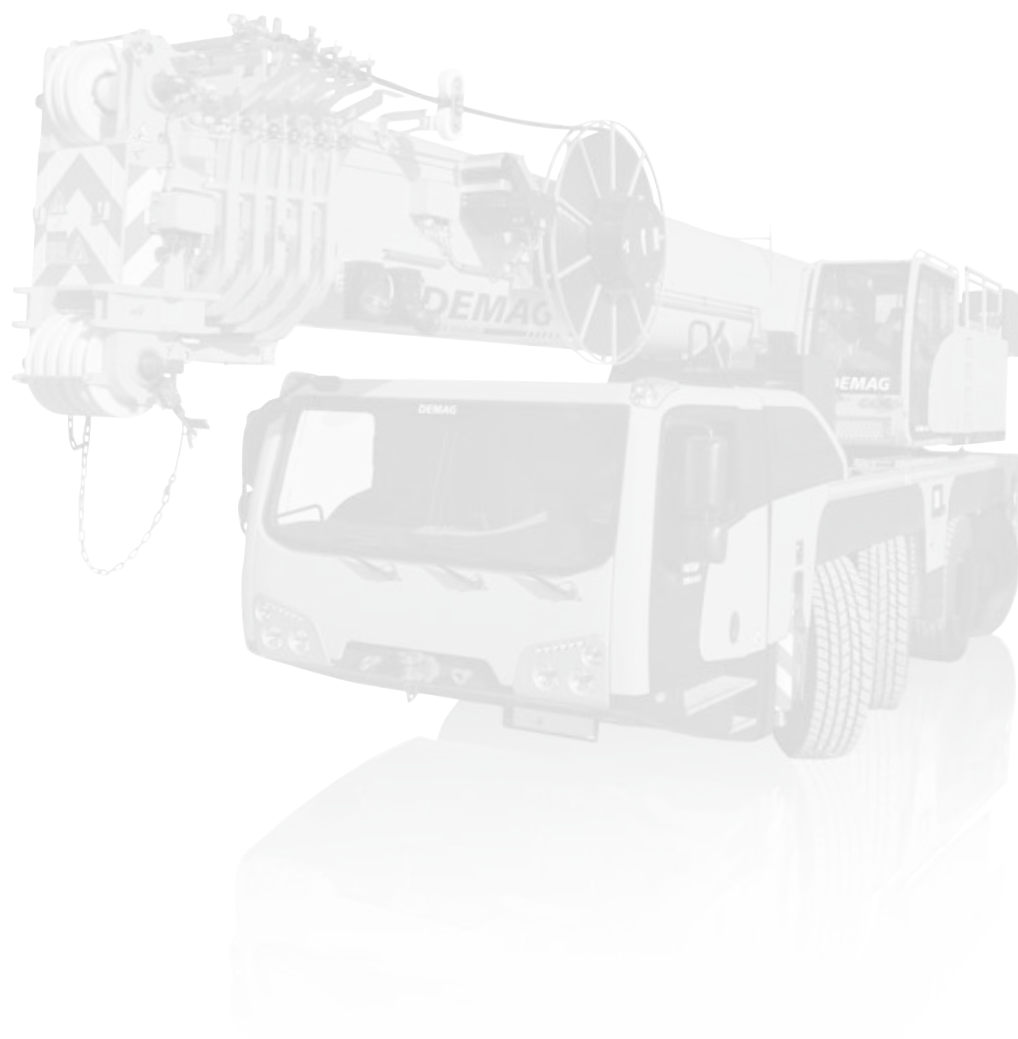
120 UST CAPACITY CLASS

	Page:
Dimensions	5
Specifications	6
Equipment	7
Counterweight	8
 HA (HA50, HA60) Main boom	10
 HAV (HA50, HA60) Folding swing-away jib	22
 HAV-VA (HA50, HA60) Variable extension with swing-away jib	34
 MS (HA50, HA60) Runner	44
Technical description	52

	Counterweight
	Lifting capacities on outriggers - 360°
	Radius
	Main boom
	Swing-away jib
	Runner
	Adapter
	Max. axle loads
	Mechanism
	Tires
	Hook block
	Hoist
	Dolly
	Travel speed
	Gradeability – road
	Gradeability – off road

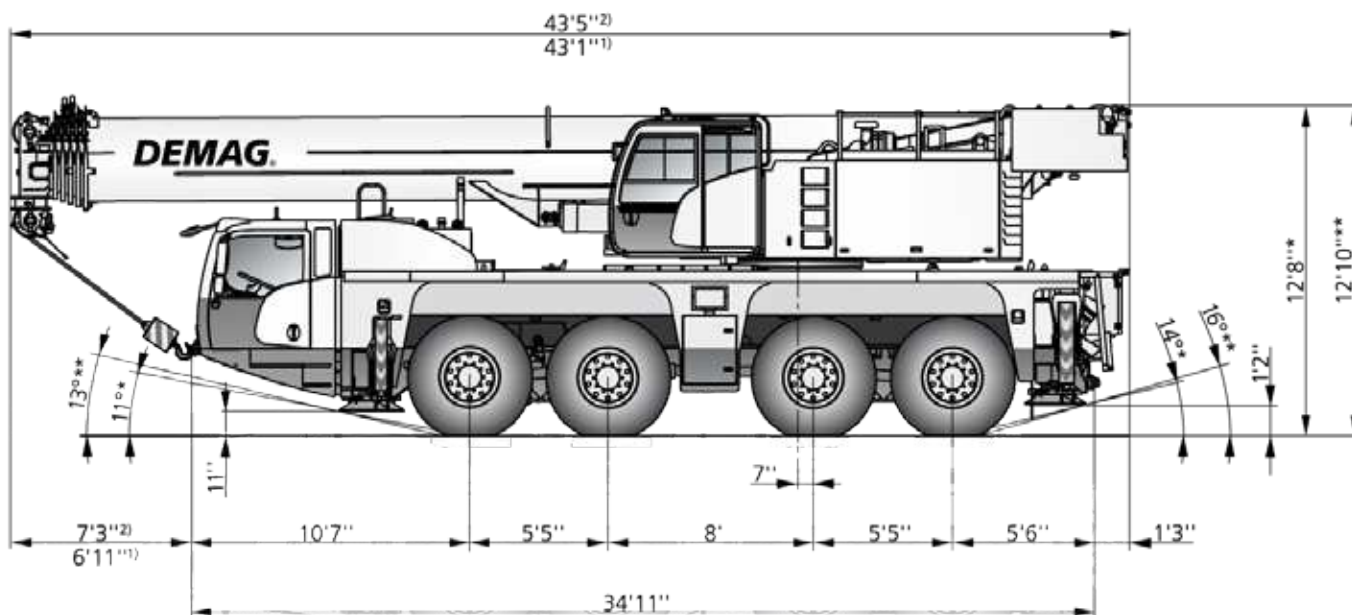
	Slewing
	Boom telescoping
	Boom elevation
	Working speeds
	Max. line pull
	Rope diameter
	Rope length
	Hook block (capacity-sheaves-rope diameter)
	Number of lines
	Possible load of hook block
	Weight of hook block
	Distance head sheave axle – hook ground
	Number of sheaves in boom head
	Supporting force
	Length of stroke (support cylinders)
	Additional parts for hydraulic system

- ▶ Highest lifting capacities of any four-axle crane – both with maximum counterweight configuration as well as when remaining inside the 26,500 lb axle load limit
- ▶ 9,500 lb counterweight within 26,500 lb axle load, 42,500 lb within 36,400 lb axle load roadable
- ▶ High and economic road and crane performance due to powerful and modern drive train technology
- ▶ Variable main boom extension system



DIMENSIONS

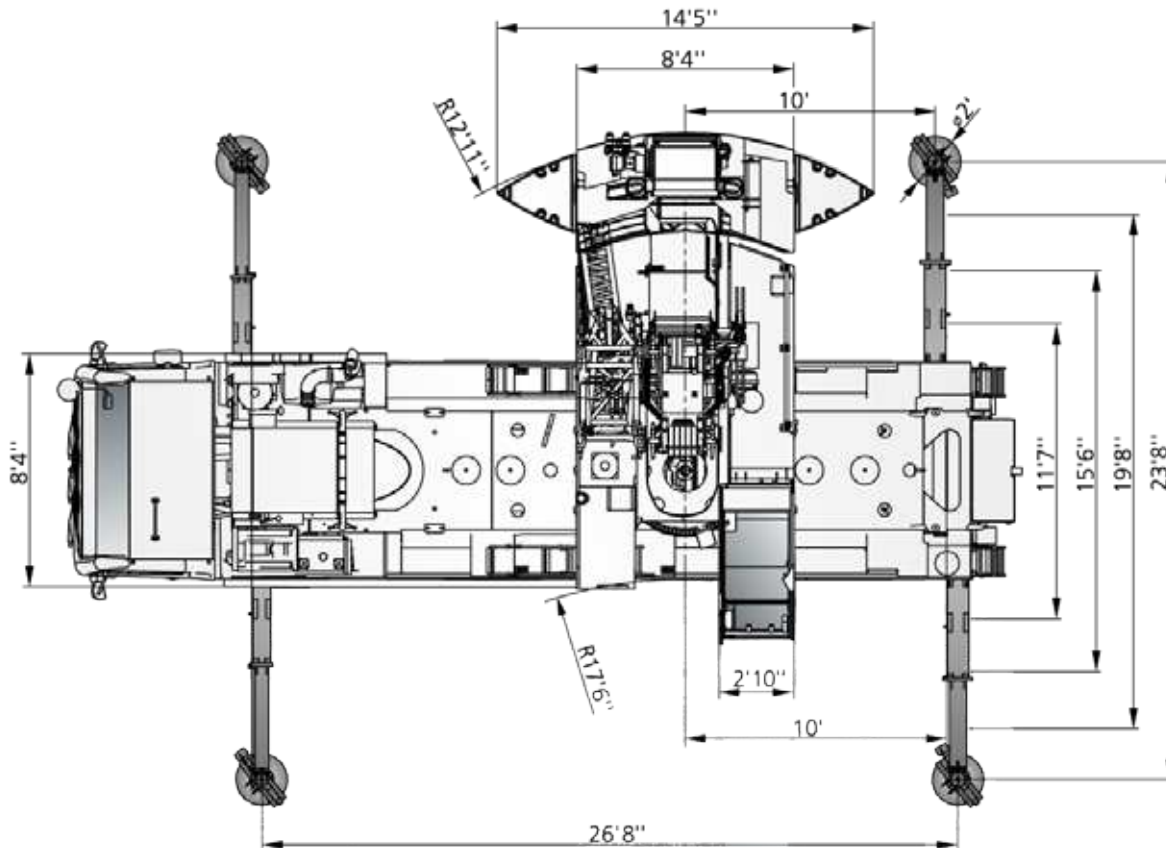
AC 100-4 (L)



1)  164 ft

2)  194.9 ft

* Wheels 14"
** Wheels 16"



DEMAG®
A TEREX BRAND

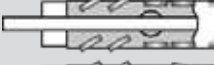
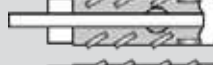
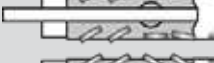
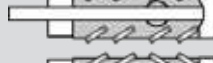
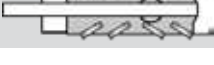
Courtesy of Crane.Market

SPECIFICATIONS

AC 100-4 (L)

									
	Total						HA50	HA60	
< 22,100 lb	On request!								X
26,500 lb	106,000 lb	8 x 6 x 8	385/95R25	—	13,400 lb	—	X	—	—
26,500 lb	106,000 lb	8 x 6 x 8	445/95R25	—	9,500 lb	32.8 ft	X	—	—
26,500 lb	106,000 lb	8 x 8 x 8	445/95R25	50-3-18	9,500 lb	—	X	—	—
32,000 lb	119,000 lb	8 x 8 x 8	445/95R25	50-3-18	19,000 lb	62.3 ft	X	—	—
36,400 lb	143,300 lb	8 x 8 x 8	445/95R25	50-3-18	42,500 lb	62.3 ft	X	—	—
26,500 lb	106,000 lb	8 x 8 x 8	385/95R25	20-1-18	9,500 lb	—	—	X	—
26,500 lb	106,000 lb	8 x 8 x 8	445/95R25	8-0-18	9,500 lb	—	—	X	—
32,000 lb	121,300 lb	8 x 8 x 8	445/95R25	50-3-18	19,000 lb	62.3 ft	—	X	—
36,400 lb	145,500 lb	8 x 8 x 8	445/95R25	20-1-18	42,500 lb	62.3 ft	—	X	—

Further configurations on request!

	1 Highway > 28 mph		4* Off-wall
	2 City < 28 mph		5* Crab steer mode
	3* Minimum turning radius < 3 mph		6* All wheel steering

* must be activated

			
	94,800 lb	134,500 lb	max. 52.8 mph ¹⁾
	22.4"	25.2"	

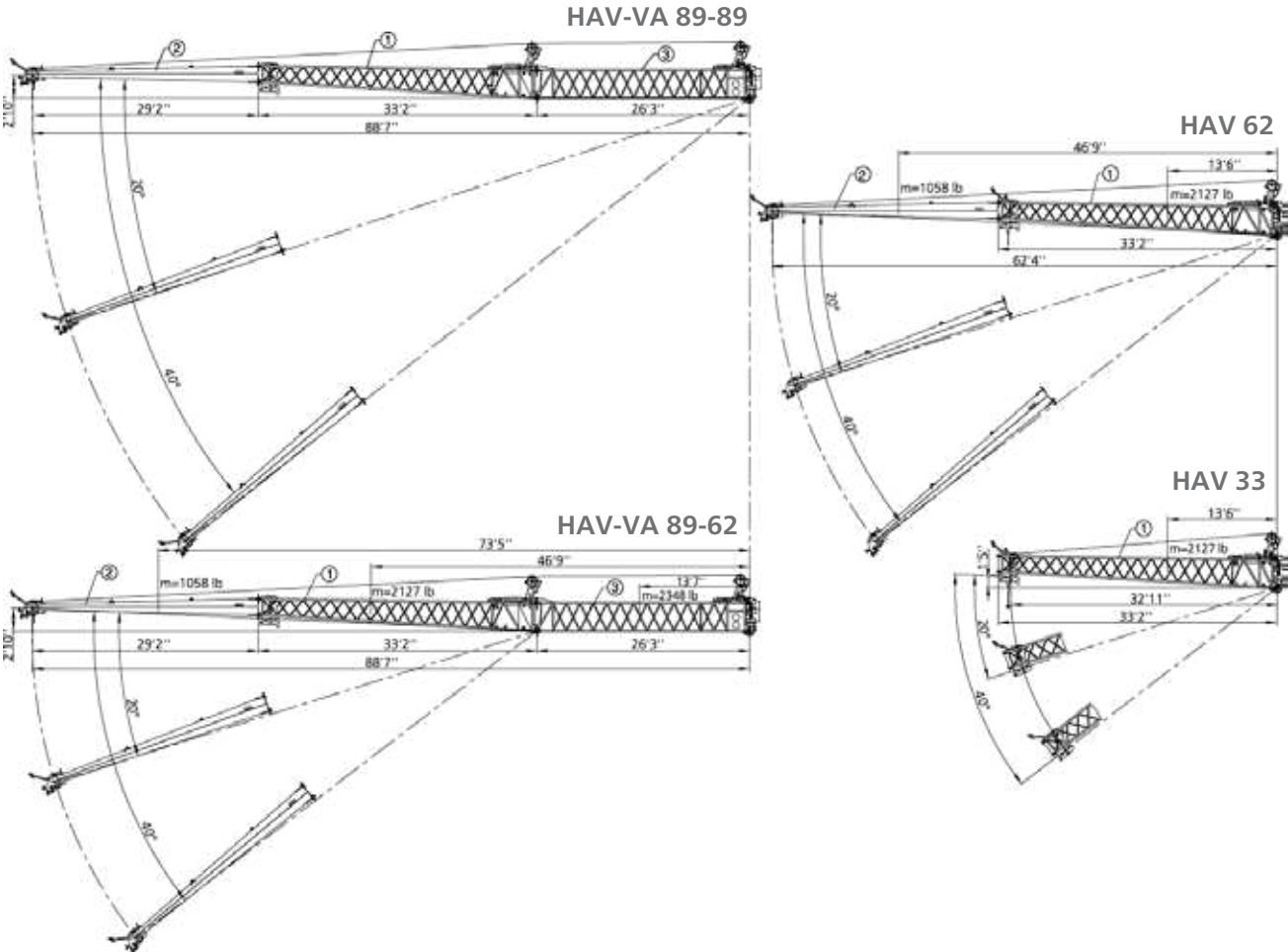
¹⁾ Depending on tire type, size and country specific legislation

				
				
1	377.3 ft/min	14,500 lb	0.72"	870 ft
2	377.3 ft/min	14,500 lb	0.72"	870 ft
	1.4 min ⁻¹			
	ca. 490 s (39.0-164.0 ft)			
	ca. 590 s (39.4-194.9 ft)			
	60 s (0°-82°)			

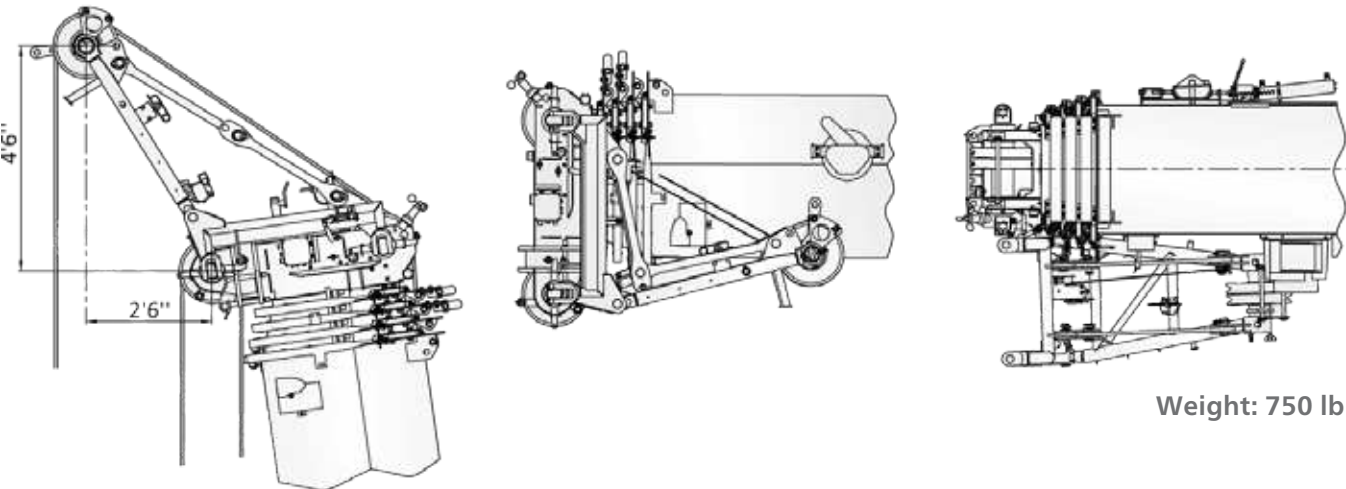
					
1	15,000 lb	8-0-18	5	375 lb	3.3 ft
2	29,500 lb	20-1-18	5	662 lb	5.9 ft
3	44,100 lb	20-1-18	5	662 lb	5.9 ft
4	58,600 lb	50-3-18	5	1,210 lb	5.9 ft
5	73,000 lb	50-3-18	5	1,210 lb	5.9 ft
6	87,100 lb	50-3-18	5	1,210 lb	5.9 ft
7	101,200 lb	50-3-18	5	1,210 lb	5.9 ft
8	114,900 lb	80-5-18	5	1,430 lb	6.6 ft
9	128,800 lb	80-5-18	5	1,430 lb	6.6 ft
10	142,200 lb	80-5-18	5	1,430 lb	6.6 ft
11	155,700 lb	80-5-18	5+S1	1,430 lb	6.6 ft
12	169,100 lb	100-7-18	5+S1	1,650 lb	6.6 ft
13	176,400 lb	100-7-18	5+S1	1,650 lb	6.6 ft

			
	385 / 95 R25 14.00 R25	445 / 95 R25 16.00 R25	525 / 80 R25 20.50 R25
	45 %	40 %	40 %
	> 70 %	> 60 %	> 60 %

HAV / HAV-VA



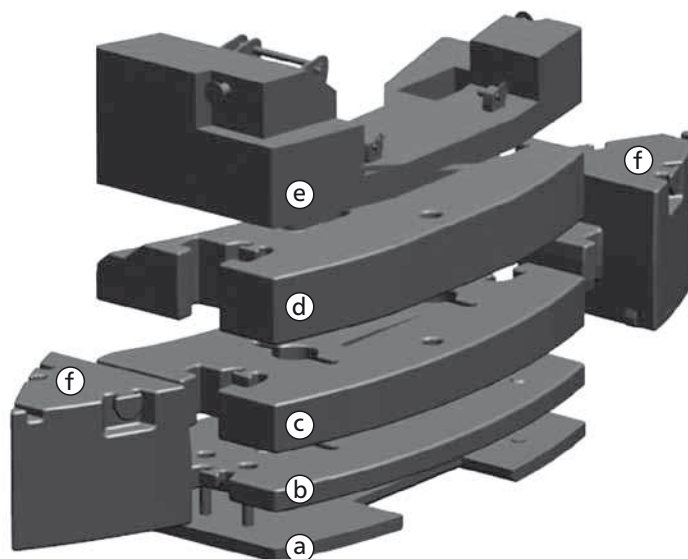
MS



COUNTERWEIGHT

AC 100-4 (L)

Parts



EG, NEG

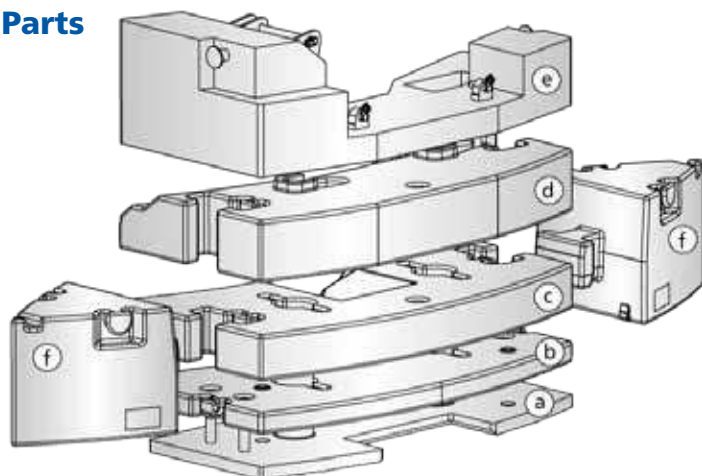
Configurations

		Ⓐ 4,000 lb	Ⓑ 5,500 lb	Ⓒ 10,600 lb	Ⓓ 13,000 lb	Ⓔ 9,500 lb	Ⓕ 5,700 lb	Ⓖ 5,700 lb
EG	9,500 lb					X		
	13,400 lb	X				X		
	19,000 lb	X	X			X		
	29,500 lb	X	X	X		X		
	42,500 lb	X	X	X	X	X		
	54,000 lb	X	X	X	X	X	X	X
NEG	0 lb							
	4,000 lb	X						
	9,500 lb	X	X					
	20,000 lb	X	X	X				
	33,100 lb	X	X	X	X			
	42,500 lb	X	X	X	X	X		
	44,500 lb	X	X	X	X		X	X
	54,000 lb	X	X	X	X	X	X	X

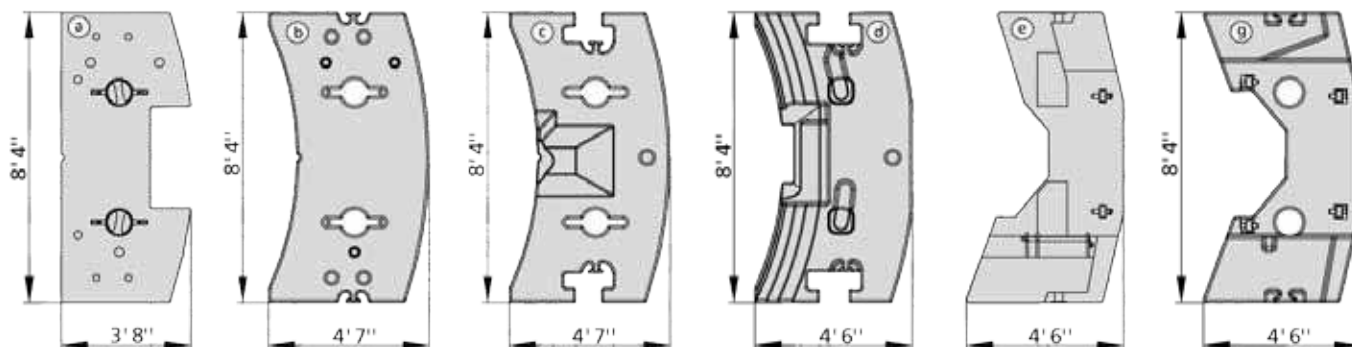
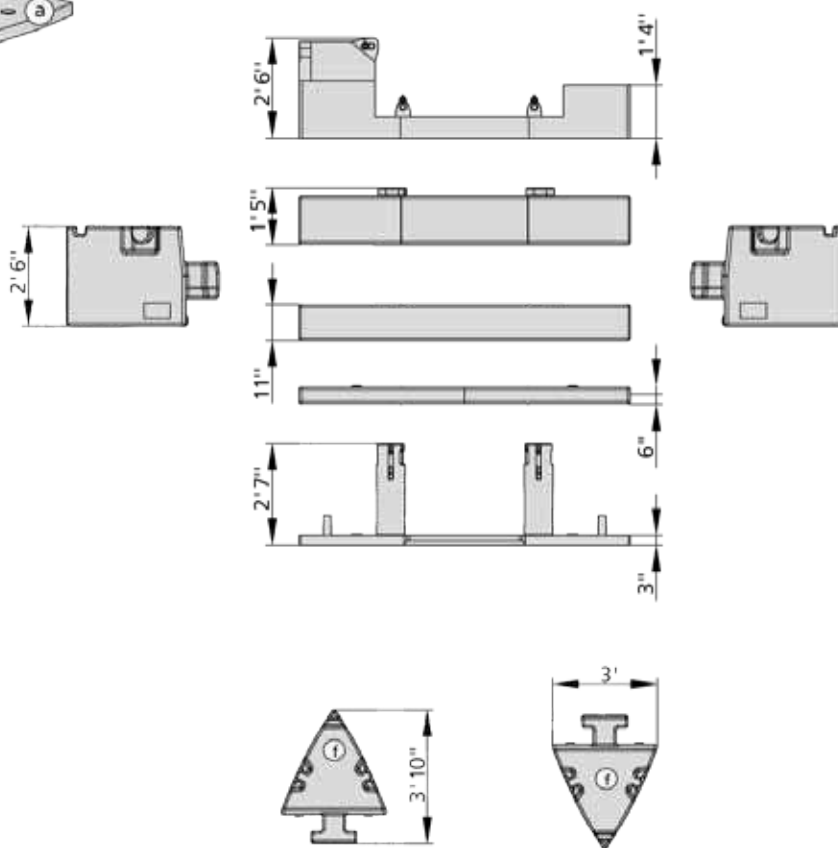
COUNTERWEIGHT

AC 100-4 (L)

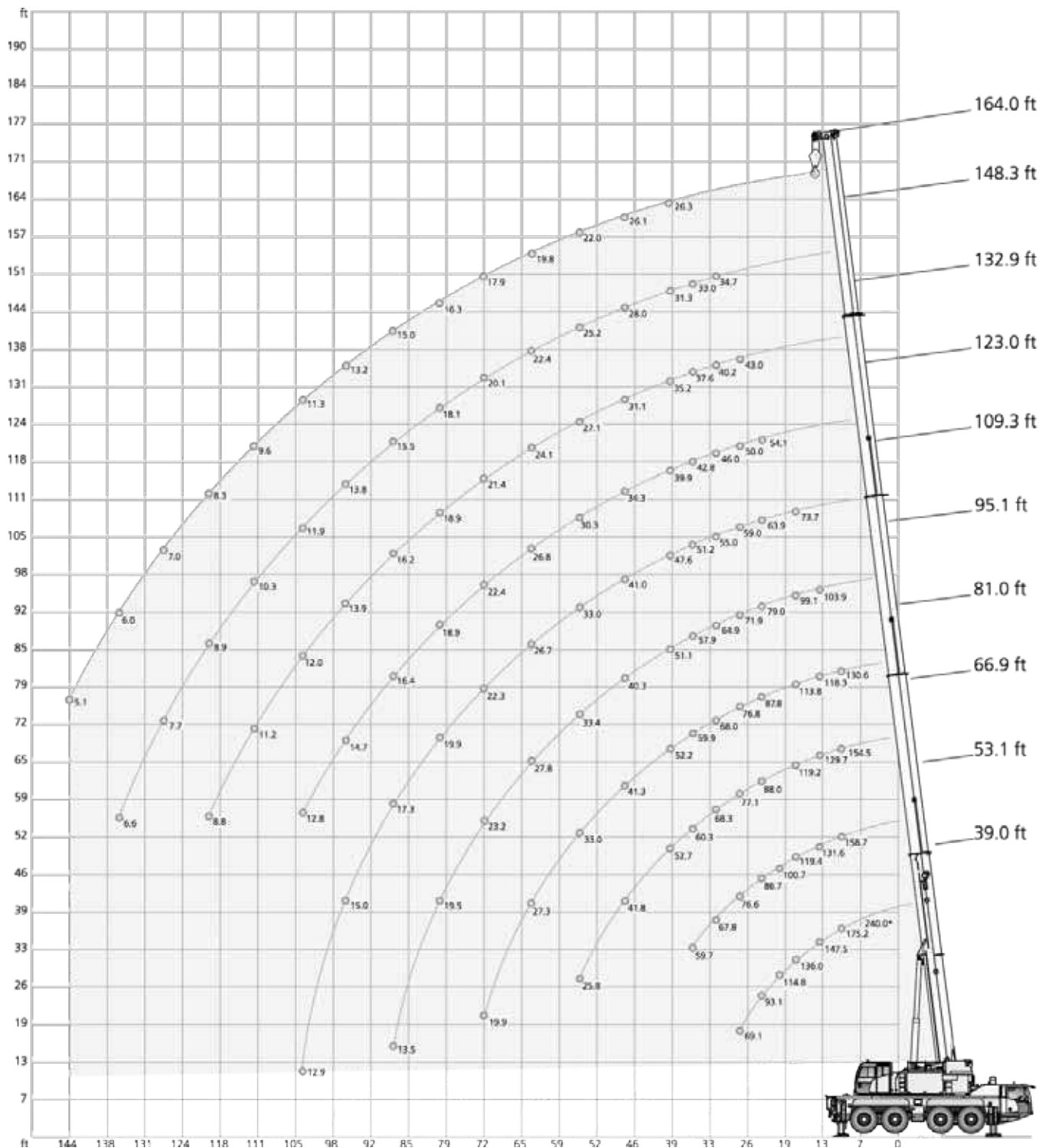
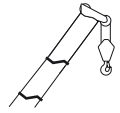
Parts



EG, NEG



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* Capacity class

 54,000 lb		 26.6 ft x 23.6 ft		360°								85 %	
 (0°)	 39.0 ft	39.0 ft	53.1 ft	66.9 ft	81.0 ft	95.1 ft	109.3 ft	123.0 ft	132.9 ft	148.3 ft	164.0 ft		
ft	1,000 lb											ft	
	240.0*	-	-	-	-	-	-	-	-	-	-		
10	175.2	161.8	158.7	154.5	130.6	-	-	-	-	-	-	10	
12	160.3	145.0	144.9	141.0	127.1	-	-	-	-	-	-	12	
14	147.5	130.5	131.6	129.7	118.3	103.9	-	-	-	-	-	14	
16	136.0	118.3	119.4	119.2	113.8	99.1	-	-	-	-	-	16	
18	125.5	108.6	109.7	109.6	107.9	93.8	73.7	-	-	-	-	18	
20	114.8	99.6	100.7	100.5	101.6	88.5	70.0	-	-	-	-	20	
24	93.1	85.5	86.7	88.0	87.8	79.0	63.9	54.1	-	-	-	24	
28	69.1	64.7	76.6	77.1	76.8	71.9	59.0	50.0	43.0	-	-	28	
32	-	-	67.8	68.3	68.0	64.9	55.0	46.0	40.2	34.7	-	32	
36	-	-	59.7	60.3	59.9	57.9	51.2	42.8	37.6	33.0	26.3	36	
40	-	-	-	52.7	52.2	51.1	47.6	39.9	35.2	31.3	26.1	40	
48	-	-	-	41.8	41.3	40.3	41.0	34.3	31.1	28.0	24.0	48	
56	-	-	-	25.8	33.0	33.4	33.0	30.3	27.1	25.2	22.0	56	
64	-	-	-	-	27.3	27.8	26.7	26.8	24.1	22.4	19.8	64	
72	-	-	-	-	19.9	23.2	22.3	22.4	21.4	20.1	17.9	72	
80	-	-	-	-	-	19.5	19.9	18.9	18.9	18.1	16.3	80	
88	-	-	-	-	-	13.5	17.3	16.4	16.2	15.5	15.0	88	
96	-	-	-	-	-	-	15.0	14.7	13.9	13.8	13.2	96	
104	-	-	-	-	-	-	12.9	12.8	12.0	11.9	11.3	104	
112	-	-	-	-	-	-	-	-	11.2	10.3	9.6	112	
120	-	-	-	-	-	-	-	-	8.8	8.9	8.3	120	
128	-	-	-	-	-	-	-	-	-	7.7	7.0	128	
136	-	-	-	-	-	-	-	-	-	6.6	6.0	136	
144	-	-	-	-	-	-	-	-	-	-	5.1	144	

* Capacity class

42,500 lb		26.6 ft x 23.6 ft		360° / Max.*						85 %	
ft	360° 39.0 ft	Max. 39.0 ft	360° 53.1 ft	Max. 53.1 ft	360° 66.9 ft	Max. 66.9 ft	360° 81.0 ft	Max. 81.0 ft	360° 95.1 ft	Max. 95.1 ft	ft
1,000 lb											
10	160.8	161.8	158.7	158.7	154.5	154.5	130.6	130.6	-	-	10
12	143.4	145.0	144.4	144.9	141.0	141.1	127.1	127.1	-	-	12
14	129.1	130.5	130.2	131.6	129.3	129.7	118.3	118.3	103.9	103.9	14
16	117.1	118.3	118.2	119.4	118.0	119.2	113.8	113.8	99.1	99.1	16
18	107.4	108.6	108.6	109.7	108.3	109.6	107.4	107.9	93.8	93.8	18
20	98.3	99.6	99.6	100.7	100.3	100.5	100.5	101.6	88.5	88.5	20
24	84.5	85.5	85.8	86.7	87.0	88.0	86.7	87.8	79.0	79.0	24
28	64.3	64.6	75.1	75.6	75.5	76.2	75.1	75.8	71.9	71.9	28
32	-	-	64.1	65.1	64.7	65.5	64.3	65.1	63.2	63.7	32
36	-	-	55.8	57.2	56.4	57.5	55.9	57.0	54.9	56.1	36
40	-	-	-	-	48.8	50.2	48.4	49.7	47.0	48.8	40
48	-	-	-	-	37.0	38.5	36.5	38.0	37.8	38.2	48
56	-	-	-	-	23.7	24.5	29.6	30.3	29.8	31.0	56
64	-	-	-	-	-	-	24.8	25.8	24.2	25.3	64
72	-	-	-	-	-	-	19.4	19.4	20.8	21.2	72
80	-	-	-	-	-	-	-	-	17.7	18.7	80
88	-	-	-	-	-	-	-	-	13.5	13.5	88

ft	360° 109.3 ft	Max. 109.3 ft	360° 123.0 ft	Max. 123.0 ft	360° 132.9 ft	Max. 132.9 ft	360° 148.3 ft	Max. 148.3 ft	360° 164.0 ft	Max. 164.0 ft	ft
1,000 lb											
18	73.7	73.7	-	-	-	-	-	-	-	-	18
20	70.0	70.0	-	-	-	-	-	-	-	-	20
24	63.9	63.9	54.1	54.1	-	-	-	-	-	-	24
28	59.0	59.0	50.0	50.0	43.0	43.0	-	-	-	-	28
32	55.0	55.0	46.0	46.0	40.2	40.2	34.7	34.7	-	-	32
36	51.2	51.2	42.8	42.8	37.6	37.6	33.0	33.0	26.3	26.3	36
40	47.2	47.3	39.9	39.9	35.2	35.2	31.3	31.3	26.1	26.1	40
48	36.3	37.8	33.9	34.2	31.1	31.1	28.0	28.0	24.0	24.0	48
56	28.5	29.9	28.9	29.6	26.7	27.1	25.2	25.2	22.0	22.0	56
64	24.1	24.8	23.5	24.6	23.0	23.8	22.2	22.4	19.8	19.8	64
72	20.2	21.2	19.9	20.4	19.0	20.4	18.8	19.7	17.9	17.9	72
80	17.0	18.1	16.8	17.9	15.9	17.2	16.1	16.9	15.7	16.2	80
88	14.8	15.6	14.3	15.4	14.2	14.6	13.6	14.7	13.1	14.3	88
96	12.9	13.7	12.3	13.4	12.5	13.1	11.5	12.7	10.9	12.1	96
104	11.2	12.1	10.6	11.7	10.6	11.7	9.7	10.8	9.1	10.3	104
112	-	-	-	-	9.2	10.3	8.3	9.4	7.6	8.7	112
120	-	-	-	-	6.8	7.9	7.0	8.1	6.4	7.5	120
128	-	-	-	-	-	-	5.9	7.0	5.3	6.4	128
136	-	-	-	-	-	-	5.0	6.1	4.2	5.5	136
144	-	-	-	-	-	-	-	-	3.3	4.7	144

* Max. values are valid only for specific superstructure positions

19,000 lb		26.6 ft x 23.6 ft		360° / Max.*						85 %	
ft	360° 39.0 ft	Max. 39.0 ft	360° 53.1 ft	Max. 53.1 ft	360° 66.9 ft	Max. 66.9 ft	360° 81.0 ft	Max. 81.0 ft	360° 95.1 ft	Max. 95.1 ft	ft
1,000 lb											
10	157.3	161.8	158.4	158.7	154.5	154.5	130.6	130.6	-	-	10
12	140.1	145.0	141.2	144.9	140.6	141.1	127.1	127.1	-	-	12
14	126.1	130.5	127.3	131.6	127.1	129.7	118.3	118.3	103.9	103.9	14
16	114.3	118.3	115.5	119.4	115.3	119.2	113.8	113.8	99.1	99.1	16
18	104.8	107.9	106.0	109.1	105.8	109.0	106.2	107.6	93.8	93.8	18
20	95.6	97.8	96.7	99.2	98.1	99.9	97.6	100.5	87.9	88.5	20
24	76.0	79.1	79.1	81.5	79.8	82.1	78.0	81.6	71.2	78.1	24
28	59.4	60.9	63.6	68.1	64.5	68.6	63.0	68.1	58.2	67.1	28
32	-	-	50.6	58.1	51.3	58.5	50.7	58.1	51.2	57.2	32
36	-	-	42.1	51.0	42.7	51.3	42.5	50.9	43.7	50.0	36
40	-	-	-	-	36.5	44.9	36.9	44.5	36.3	44.3	40
48	-	-	-	-	27.4	36.1	27.6	35.7	28.0	36.6	48
56	-	-	-	-	20.4	24.2	21.8	29.9	21.7	30.0	56
64	-	-	-	-	-	-	17.3	24.9	17.5	24.5	64
72	-	-	-	-	-	-	14.2	19.4	14.2	20.8	72
80	-	-	-	-	-	-	-	-	11.8	17.7	80
88	-	-	-	-	-	-	-	-	9.8	13.5	88

ft	360° 109.3 ft	Max. 109.3 ft	360° 123.0 ft	Max. 123.0 ft	360° 132.9 ft	Max. 132.9 ft	360° 148.3 ft	Max. 148.3 ft	360° 164.0 ft	Max. 164.0 ft	ft
1,000 lb											
18	73.7	73.7	-	-	-	-	-	-	-	-	18
20	70.0	70.0	-	-	-	-	-	-	-	-	20
24	63.9	63.9	54.1	54.1	-	-	-	-	-	-	24
28	56.7	59.0	50.0	50.0	43.0	43.0	-	-	-	-	28
32	48.0	55.0	44.1	46.0	40.2	40.2	34.7	34.7	-	-	32
36	41.0	49.8	39.3	42.8	35.9	37.6	33.0	33.0	26.3	26.3	36
40	36.3	44.5	34.8	39.9	32.7	35.2	31.0	31.3	26.1	26.1	40
48	27.3	35.6	27.1	33.8	25.7	31.1	25.1	28.0	23.2	24.0	48
56	21.5	28.8	20.8	28.7	20.8	26.5	19.9	25.2	18.6	22.0	56
64	16.9	24.3	16.4	23.4	16.6	23.0	15.6	22.0	14.6	19.8	64
72	13.7	20.2	13.1	19.9	13.3	19.0	12.4	18.8	11.5	17.9	72
80	11.1	17.2	10.5	16.7	10.7	16.1	9.8	16.1	9.1	15.5	80
88	9.2	14.8	8.5	14.4	8.7	14.2	7.7	13.7	7.1	13.2	88
96	7.5	13.1	6.9	12.5	7.1	12.6	6.1	11.8	5.5	11.2	96
104	6.3	11.3	5.6	10.7	5.7	10.8	4.8	9.9	4.1	9.5	104
112	-	-	-	-	4.6	9.4	3.7	8.5	3.0	8.1	112
120	-	-	-	-	2.7	7.4	2.7	7.5	-	6.8	120
128	-	-	-	-	-	-	1.9	6.4	-	5.7	128
136	-	-	-	-	-	-	-	5.5	-	4.8	136
144	-	-	-	-	-	-	-	-	-	4.0	144

* Max. values are valid only for specific superstructure positions

 13,400 lb		 26.6 ft x 23.6 ft		360° / Max.*						85 %	
 360° 39.0 ft	Max. 39.0 ft	 360° 53.1 ft	Max. 53.1 ft	 360° 66.9 ft	Max. 66.9 ft	 360° 81.0 ft	Max. 81.0 ft	 360° 95.1 ft	Max. 95.1 ft		
ft	1,000 lb										ft
10	156.5	161.8	157.6	158.7	154.5	154.5	130.6	130.6	-	-	10
12	139.4	145.0	140.5	144.9	140.3	141.1	127.1	127.1	-	-	12
14	125.3	130.5	126.5	131.6	126.3	129.7	118.3	118.3	103.9	103.9	14
16	113.7	118.3	114.9	119.4	114.7	119.2	113.8	113.8	99.1	99.1	16
18	102.9	106.6	104.4	108.0	104.5	107.8	103.3	106.4	91.4	93.8	18
20	92.1	95.2	94.1	96.8	96.1	98.5	91.6	98.1	82.8	88.5	20
24	72.1	77.0	75.4	79.5	76.4	80.0	71.9	79.5	65.5	77.6	24
28	55.2	60.1	58.9	66.4	59.8	66.9	57.9	66.4	55.8	65.4	28
32	-	-	46.3	56.7	47.1	57.1	47.3	56.7	47.6	55.6	32
36	-	-	38.4	49.6	39.4	50.1	40.6	49.6	40.1	48.5	36
40	-	-	-	-	33.4	43.8	33.7	43.4	34.1	44.3	40
48	-	-	-	-	24.8	34.8	25.4	34.5	25.4	35.5	48
56	-	-	-	-	19.3	22.9	19.5	28.7	19.7	28.1	56
64	-	-	-	-	-	-	15.3	23.1	15.5	23.1	64
72	-	-	-	-	-	-	12.4	19.4	12.4	19.5	72
80	-	-	-	-	-	-	-	-	10.2	16.6	80
88	-	-	-	-	-	-	-	-	8.4	13.5	88

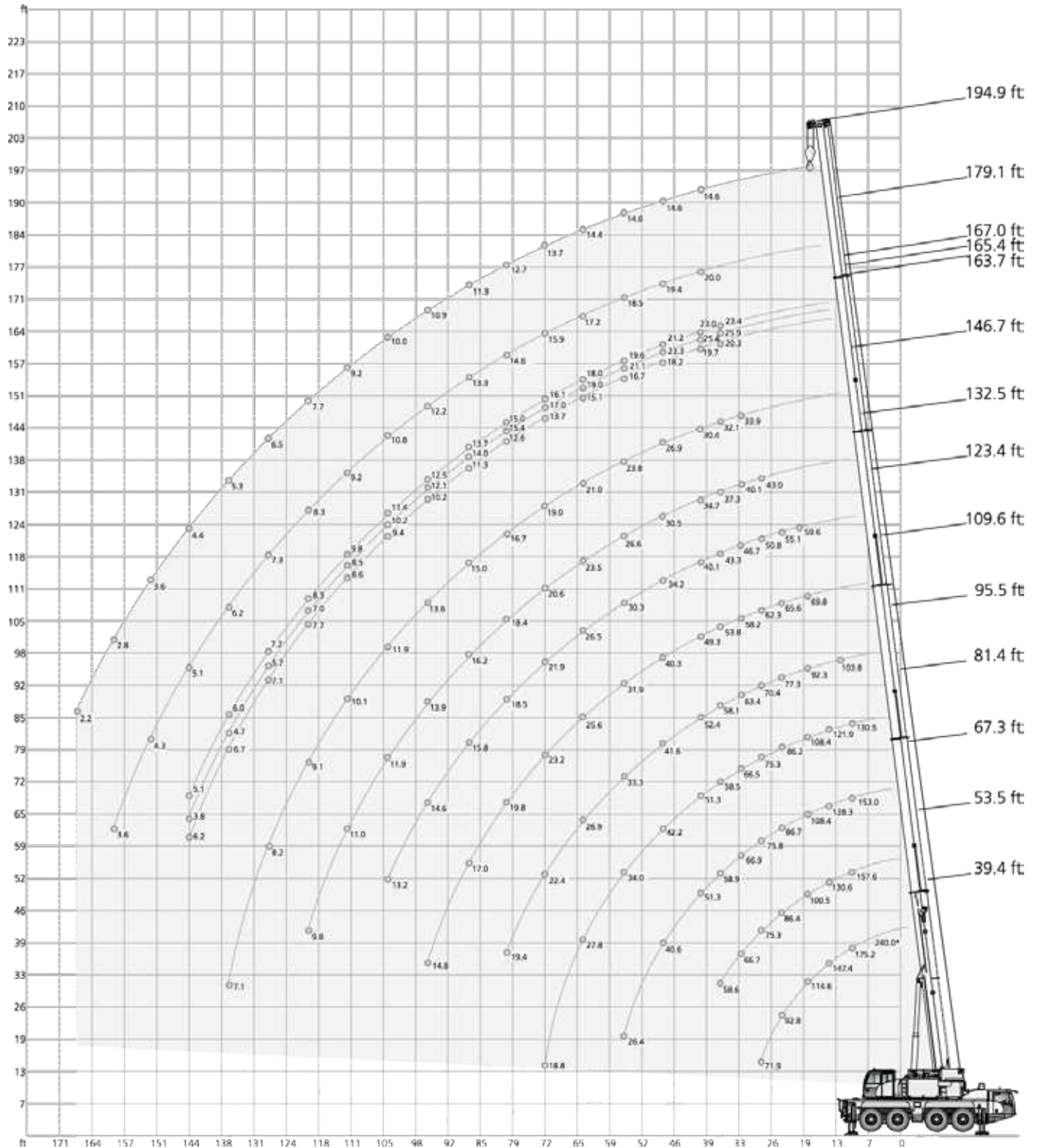
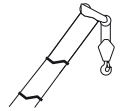
 360° 109.3 ft	Max. 109.3 ft	 360° 123.0 ft	Max. 123.0 ft	 360° 132.9 ft	Max. 132.9 ft	 360° 148.3 ft	Max. 148.3 ft	 360° 164.0 ft	Max. 164.0 ft	
ft										ft
1,000 lb										
18	73.7	73.7	-	-	-	-	-	-	-	18
20	69.9	70.0	-	-	-	-	-	-	-	20
24	62.5	63.9	53.9	54.1	-	-	-	-	-	24
28	52.3	59.0	47.4	50.0	43.0	43.0	-	-	-	28
32	43.9	55.0	42.3	46.0	38.4	40.2	34.7	34.7	-	32
36	38.4	49.3	36.7	42.8	33.8	37.6	31.5	33.0	26.3	36
40	33.4	43.2	32.6	39.7	29.8	35.2	28.6	31.3	25.9	40
48	25.0	33.5	24.3	33.2	24.4	30.7	22.6	28.0	20.9	48
56	19.1	27.6	18.6	26.7	18.8	25.9	17.5	24.8	16.2	56
64	15.0	22.7	14.4	22.3	14.6	21.6	13.7	20.7	12.4	64
72	12.0	18.8	11.3	18.6	11.5	17.9	10.6	17.9	9.5	72
80	9.6	16.3	9.0	15.6	9.2	15.6	8.3	15.0	7.4	80
88	7.8	13.9	7.2	13.4	7.4	13.6	6.3	12.7	5.6	88
96	6.4	12.2	5.7	11.5	5.8	11.7	4.8	10.7	4.2	96
104	5.0	10.5	4.4	9.9	4.5	10.1	3.7	9.2	3.0	104
112	-	-	-	-	3.5	8.8	2.6	7.9	-	112
120	-	-	-	-	-	6.6	-	6.8	-	120
128	-	-	-	-	-	-	-	5.7	-	128
136	-	-	-	-	-	-	-	4.8	-	136
144	-	-	-	-	-	-	-	-	3.1	144

* Max. values are valid only for specific superstructure positions

 9,500 lb		 26.6 ft x 23.6 ft		360° / Max.*								85 %	
	 360° 39.0 ft	Max. 39.0 ft	360° 53.1 ft	Max. 53.1 ft	360° 66.9 ft	Max. 66.9 ft	360° 81.0 ft	Max. 81.0 ft	360° 95.1 ft	Max. 95.1 ft			
1,000 lb													
ft	155.8	161.8	156.9	158.7	154.5	154.5	130.6	130.6	-	-	ft		
10	138.8	145.0	139.9	144.9	139.8	141.1	127.1	127.1	-	-	10		
12	125.0	130.5	126.1	131.6	125.9	129.7	118.3	118.3	103.9	103.9	12		
14	113.3	118.3	114.3	119.4	114.2	119.2	113.8	113.8	99.1	99.1	14		
16	101.4	105.7	102.8	107.0	103.2	106.9	100.7	105.5	88.9	93.8	16		
18	89.4	93.3	92.8	94.8	93.3	96.6	86.2	96.1	77.7	88.5	18		
20	68.9	75.5	72.6	77.9	72.1	78.5	67.5	77.9	61.7	76.9	20		
24	51.1	59.3	55.0	65.1	55.8	65.5	54.1	65.1	53.4	64.0	24		
28	-	-	43.3	55.4	44.5	55.8	44.9	55.4	44.5	54.4	28		
32	-	-	35.8	48.5	37.6	48.9	38.0	48.4	37.3	47.4	32		
36	-	-	-	-	31.0	42.7	31.4	42.2	31.7	43.2	36		
40	-	-	-	-	22.7	33.6	23.3	33.9	23.3	33.8	40		
48	-	-	-	-	17.6	21.7	17.8	26.8	18.0	26.2	48		
56	-	-	-	-	-	-	13.9	22.0	14.2	22.2	56		
64	-	-	-	-	-	-	11.1	18.6	11.3	18.4	64		
72	-	-	-	-	-	-	-	-	9.0	15.9	72		
80	-	-	-	-	-	-	-	-	7.3	13.4	80		
88	-	-	-	-	-	-	-	-	-	-	88		

ft	360° 109.3 ft	Max. 109.3 ft	360° 123.0 ft	Max. 123.0 ft	360° 132.9 ft	Max. 132.9 ft	360° 148.3 ft	Max. 148.3 ft	360° 164.0 ft	Max. 164.0 ft	ft
1,000 lb											
18	73.7	73.7	-	-	-	-	-	-	-	-	18
20	69.5	70.0	-	-	-	-	-	-	-	-	20
24	59.6	63.9	52.8	54.1	-	-	-	-	-	-	24
28	48.8	59.0	45.9	50.0	41.7	43.0	-	-	-	-	28
32	42.5	54.7	39.4	46.0	36.9	40.2	34.2	34.7	-	-	32
36	36.8	48.3	34.4	42.3	32.1	37.6	29.9	33.0	25.8	26.3	36
40	31.0	41.6	29.8	38.6	28.6	35.1	26.8	31.3	24.6	26.1	40
48	22.9	31.8	22.2	31.8	22.3	29.6	20.3	27.9	18.7	24.0	48
56	17.4	26.4	16.7	25.4	17.0	25.1	15.6	24.1	14.2	22.0	56
64	13.5	21.8	13.0	21.4	13.2	20.5	12.1	20.2	10.7	19.5	64
72	10.6	18.1	10.0	17.7	10.2	17.5	9.3	17.0	8.0	16.2	72
80	8.5	15.5	7.9	15.0	8.1	15.2	7.0	14.3	6.1	13.3	80
88	6.7	13.3	6.1	12.6	6.3	12.8	5.3	11.9	4.6	11.2	88
96	5.3	11.5	4.6	10.9	4.8	11.1	3.9	10.2	3.3	9.2	96
104	4.3	9.9	3.4	9.2	3.7	9.5	2.8	8.4	2.1	7.7	104
112	-	-	-	-	2.8	7.9	-	7.0	-	6.3	112
120	-	-	-	-	-	5.7	-	5.7	-	5.0	120
128	-	-	-	-	-	-	-	4.7	-	4.0	128
136	-	-	-	-	-	-	-	3.9	-	3.0	136
144	-	-	-	-	-	-	-	-	-	2.2	144

* Max. values are valid only for specific superstructure positions



* Capacity class

 54,000 lb			 26.6 ft x 23.6 ft			360°											85 %	
 (0°)	39.4	39.4	53.5	67.3	81.4	95.5	109.6	(ft)										
ft	1,000 lb																ft	
	240.0*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10	175.2	160.9	157.6	153.0	130.5	-	-	-	-	-	-	-	-	-	-	-	10	
12	160.3	144.3	143.9	139.7	127.0	-	-	-	-	-	-	-	-	-	-	-	12	
14	147.4	129.8	130.6	128.3	121.9	103.8	-	-	-	-	-	-	-	-	-	-	14	
16	136.0	117.6	118.5	117.9	116.3	97.8	-	-	-	-	-	-	-	-	-	-	16	
18	125.4	107.8	108.7	108.4	108.4	92.3	69.8	-	-	-	-	-	-	-	-	-	18	
20	114.6	98.7	100.5	100.7	100.2	86.9	68.4	59.6	-	-	-	-	-	-	-	-	20	
24	92.8	84.7	86.4	86.7	86.2	77.3	65.6	55.1	-	-	-	-	-	-	-	-	24	
28	71.9	67.0	75.3	75.8	75.3	70.4	62.3	50.8	43.0	-	-	-	-	-	-	-	28	
32	-	-	66.7	66.9	66.5	63.4	58.2	46.7	40.1	33.9	-	-	-	-	-	-	32	
36	-	-	58.6	58.9	58.5	58.1	53.8	43.3	37.3	32.1	20.3	25.9	23.4	-	-	-	36	
40	-	-	-	51.3	51.3	52.4	49.3	40.1	34.7	30.4	19.7	25.4	23.0	20.0	14.6	-	40	
48	-	-	-	40.6	42.2	41.6	40.3	34.2	30.5	26.9	18.2	23.3	21.2	19.4	14.6	-	48	
56	-	-	-	26.4	34.0	33.3	31.9	30.3	26.6	23.8	16.7	21.1	19.6	18.5	14.6	-	56	
64	-	-	-	-	27.8	26.9	25.6	26.5	23.5	21.0	15.1	19.0	18.0	17.2	14.4	-	64	
72	-	-	-	-	18.6	22.4	23.2	21.9	20.6	19.0	13.7	17.0	16.1	15.9	13.7	-	72	
80	-	-	-	-	-	19.4	19.8	18.5	18.4	16.7	12.6	15.4	15.0	14.6	12.7	-	80	
88	-	-	-	-	-	-	17.0	15.8	16.2	15.0	11.3	14.0	13.7	13.3	11.9	-	88	
96	-	-	-	-	-	-	14.8	14.6	13.9	13.6	10.2	12.1	12.5	12.2	10.9	-	96	
104	-	-	-	-	-	-	8.4	13.2	11.9	11.9	9.4	10.2	11.4	10.8	10.0	-	104	
112	-	-	-	-	-	-	-	-	11.0	10.1	8.6	8.5	9.8	9.2	9.2	-	112	
120	-	-	-	-	-	-	-	-	9.8	9.1	7.7	7.0	8.3	8.3	7.7	-	120	
128	-	-	-	-	-	-	-	-	-	8.2	7.1	5.7	7.2	7.3	6.5	-	128	
136	-	-	-	-	-	-	-	-	-	7.1	6.7	4.7	6.0	6.2	5.3	-	136	
144	-	-	-	-	-	-	-	-	-	-	6.2	3.8	5.1	5.1	4.4	-	144	
152	-	-	-	-	-	-	-	-	-	-	-	-	-	4.3	3.6	-	152	
160	-	-	-	-	-	-	-	-	-	-	-	-	-	3.6	2.8	-	160	
168	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.2	-	168	

* Capacity class

 42,500 lb		 26.6 ft x 23.6 ft		360° / Max.*										85%	
 ft	 360° 39.4ft	Max. 39.4ft	360° 53.5ft	Max. 53.5ft	360° 67.3ft	Max. 67.3ft	360° 81.4ft	Max. 81.4ft	360° 95.5ft	Max. 95.5ft	360° 109.6ft	Max. 109.6ft	360° 123.4ft	Max. 123.4ft	
1,000 lb															
10	160.4	160.9	157.6	157.6	153.0	153.0	130.5	130.5	-	-	-	-	-	-	10
12	142.6	144.3	143.4	143.7	139.7	139.7	127.0	127.0	-	-	-	-	-	-	12
14	128.3	129.8	129.2	130.6	128.1	128.3	121.9	121.9	103.8	103.8	-	-	-	-	14
16	116.3	117.6	117.1	118.5	116.8	117.9	116.3	116.3	97.8	97.8	-	-	-	-	16
18	106.6	107.8	107.5	108.7	107.9	108.4	107.9	108.4	92.3	92.3	69.8	69.8	-	-	18
20	97.6	98.7	99.2	100.5	99.6	100.7	99.1	100.2	86.9	86.9	68.4	68.4	59.6	59.6	20
24	83.6	84.7	85.3	86.4	85.6	86.7	85.2	86.2	77.3	77.3	65.6	65.6	55.1	55.1	24
28	66.5	67.0	74.0	74.6	74.4	75.0	73.9	74.5	70.4	70.4	62.3	62.3	50.8	50.8	28
32	-	-	63.2	64.0	63.7	64.4	63.2	63.8	63.3	63.3	58.2	58.2	46.7	46.7	32
36	-	-	54.8	56.1	55.3	56.4	55.4	55.8	56.4	56.9	53.0	53.7	43.3	43.3	36
40	-	-	-	-	47.7	49.1	49.5	50.4	48.8	50.0	47.5	48.8	40.1	40.1	40
48	-	-	-	-	37.8	39.1	37.8	39.1	36.9	38.4	35.6	37.1	33.6	34.1	48
56	-	-	-	-	24.0	24.9	29.7	31.0	28.9	30.3	28.3	29.0	28.7	29.4	56
64	-	-	-	-	-	-	24.0	25.3	23.5	24.6	24.3	25.1	23.1	24.4	64
72	-	-	-	-	-	-	15.9	16.8	20.8	21.2	20.2	21.3	18.8	19.9	72
80	-	-	-	-	-	-	-	-	17.7	18.8	17.0	18.1	17.1	17.2	80
88	-	-	-	-	-	-	-	-	-	-	14.5	15.5	14.8	15.7	88
96	-	-	-	-	-	-	-	-	-	-	13.2	13.4	12.7	13.7	96
104	-	-	-	-	-	-	-	-	-	-	8.4	8.4	10.9	11.9	104

 ft	 360° 132.5ft	Max. 132.5ft	360° 146.7ft	Max. 146.7ft	360° 163.7ft	Max. 163.7ft	360° 165.4ft	Max. 165.4ft	360° 167.0ft	Max. 167.0ft	360° 179.1ft	Max. 179.1ft	360° 194.9ft	Max. 194.9ft	
1,000 lb															
28	43.0	43.0	-	-	-	-	-	-	-	-	-	-	-	-	28
32	40.1	40.1	33.9	33.9	-	-	-	-	-	-	-	-	-	-	32
36	37.3	37.3	32.1	32.1	20.3	20.3	25.9	25.9	23.4	23.4	-	-	-	-	36
40	34.7	34.7	30.4	30.4	19.7	19.7	25.4	25.4	23.0	23.0	20.0	20.0	14.6	14.6	40
48	30.5	30.5	26.9	26.9	18.2	18.2	23.3	23.3	21.2	21.2	19.4	19.4	14.6	14.6	48
56	26.0	26.6	23.8	23.8	16.7	16.7	21.1	21.1	19.6	19.6	18.5	18.5	14.6	14.6	56
64	22.2	22.7	20.9	21.0	15.1	15.1	19.0	19.0	18.0	18.0	17.2	17.2	14.4	14.4	64
72	19.3	20.3	18.3	18.6	13.7	13.7	17.0	17.0	16.1	16.1	15.9	15.9	13.7	13.7	72
80	16.1	17.2	16.1	16.3	12.6	12.6	14.5	15.4	15.0	15.0	14.5	14.6	12.7	12.7	80
88	14.0	14.7	13.5	14.7	11.3	11.3	11.8	13.3	13.3	13.7	12.6	13.3	11.9	11.9	88
96	12.5	12.9	11.8	12.6	10.2	10.2	9.7	11.0	11.2	12.3	10.8	11.7	10.4	10.9	96
104	10.8	11.8	10.3	10.9	9.4	9.4	7.9	9.2	9.3	10.6	9.5	9.9	8.6	9.8	104
112	9.2	10.3	8.7	9.8	8.5	8.6	6.3	7.6	7.7	9.0	7.9	9.0	7.0	8.3	112
120	7.9	9.0	7.8	8.6	7.5	7.7	5.0	6.4	6.5	7.6	6.6	7.7	5.7	7.0	120
128	-	-	7.0	7.5	6.4	7.1	4.0	5.3	5.3	6.4	5.5	6.6	4.6	5.9	128
136	-	-	5.3	6.4	5.3	6.4	3.0	4.2	4.4	5.5	4.4	5.5	3.7	4.9	136
144	-	-	-	-	4.4	5.5	2.2	3.3	3.6	4.7	3.6	4.7	2.9	4.0	144
152	-	-	-	-	-	-	-	-	-	-	2.8	3.9	2.1	3.2	152
160	-	-	-	-	-	-	-	-	-	-	2.3	3.4	-	-	160

* Max. values are valid only for specific superstructure positions

 19,000 lb		 26.6 ft x 23.6 ft		360° / Max.*										85%	
 ft	 360° 39.4ft	Max. 39.4ft	360° 53.5ft	Max. 53.5ft	360° 67.3ft	Max. 67.3ft	360° 81.4ft	Max. 81.4ft	360° 95.5ft	Max. 95.5ft	360° 109.6ft	Max. 109.6ft	360° 123.4ft	Max. 123.4ft	 ft
1,000 lb															
10	156.7	160.9	157.3	157.6	153.0	153.0	130.5	130.5	-	-	-	-	-	-	10
12	139.4	144.3	140.3	143.7	139.2	139.7	127.0	127.0	-	-	-	-	-	-	12
14	125.3	129.8	126.2	130.6	125.9	128.3	121.9	121.9	103.8	103.8	-	-	-	-	14
16	113.6	117.6	114.4	118.5	115.2	117.9	114.6	116.3	97.8	97.8	-	-	-	-	16
18	104.0	107.5	105.0	108.4	106.0	108.3	105.6	108.2	92.3	92.3	69.8	69.8	-	-	18
20	94.8	97.6	96.6	99.8	96.8	100.0	96.3	99.4	86.4	86.9	68.4	68.4	59.6	59.6	20
24	75.8	78.9	78.4	80.8	78.9	81.0	76.9	80.5	69.9	76.6	64.6	65.6	55.1	55.1	24
28	60.3	63.5	63.1	67.2	63.5	67.5	63.8	67.0	61.2	66.1	56.0	62.3	50.6	50.8	28
32	-	-	50.0	57.2	52.5	57.4	52.7	58.8	51.2	58.3	46.9	56.7	44.0	46.7	32
36	-	-	42.6	50.0	43.9	50.6	43.8	51.6	43.1	51.1	40.2	50.0	38.3	43.3	36
40	-	-	-	-	36.5	45.3	36.3	45.1	35.6	44.7	35.6	43.6	34.6	40.1	40
48	-	-	-	-	27.1	36.3	27.1	36.3	28.3	35.7	27.5	34.5	26.1	33.3	48
56	-	-	-	-	16.8	24.6	22.1	29.8	22.0	29.3	21.4	28.3	21.7	28.5	56
64	-	-	-	-	-	-	17.8	24.5	17.4	23.6	17.8	24.5	17.3	23.1	64
72	-	-	-	-	-	-	14.6	15.9	14.6	20.8	14.4	20.2	14.4	18.8	72
80	-	-	-	-	-	-	-	-	12.2	17.7	12.0	17.0	11.8	17.1	80
88	-	-	-	-	-	-	-	-	-	-	9.8	14.4	9.7	14.8	88
96	-	-	-	-	-	-	-	-	-	-	8.4	13.2	8.0	12.7	96
104	-	-	-	-	-	-	-	-	-	-	7.0	8.4	6.6	11.0	104

 ft	 360° 132.5ft	Max. 132.5ft	360° 146.7ft	Max. 146.7ft	360° 163.7ft	Max. 163.7ft	360° 165.4ft	Max. 165.4ft	360° 167.0ft	Max. 167.0ft	360° 179.1ft	Max. 179.1ft	360° 194.9ft	Max. 194.9ft	 ft
1,000 lb															
28	43.0	43.0	-	-	-	-	-	-	-	-	-	-	-	-	28
32	40.1	40.1	33.9	24.3	-	-	-	-	-	-	-	-	-	-	32
36	35.4	37.3	32.0	33.9	20.3	20.3	25.9	25.9	23.4	23.4	-	-	-	-	36
40	31.8	34.7	29.8	32.1	19.7	19.7	25.4	25.4	23.0	23.0	20.0	20.0	14.6	14.6	40
48	26.0	30.5	24.0	30.4	18.2	18.2	22.4	23.3	21.2	21.2	19.4	19.4	14.6	14.6	48
56	20.6	25.7	20.1	26.9	16.7	16.7	17.5	21.1	18.9	19.6	17.4	18.5	14.6	14.6	56
64	17.1	22.2	16.6	23.8	15.1	15.1	13.5	19.0	15.1	18.0	14.6	17.2	12.9	14.4	64
72	13.7	19.3	13.5	20.5	13.3	13.7	10.4	17.0	12.0	16.1	11.5	15.9	10.0	13.7	72
80	11.1	16.2	11.3	18.1	10.7	12.6	8.0	14.5	9.6	15.0	9.2	14.5	7.9	12.7	80
88	9.9	14.0	9.3	16.2	8.6	11.3	6.0	12.1	7.5	13.3	7.4	12.7	6.1	11.9	88
96	8.2	12.5	7.5	13.6	6.9	10.2	4.2	10.1	5.8	11.4	5.8	10.8	4.6	10.5	96
104	6.8	11.0	6.1	11.8	5.5	9.4	3.0	8.3	4.4	9.7	4.5	9.6	3.3	8.8	104
112	5.5	9.4	4.8	10.5	4.3	8.6	-	7.0	3.2	8.1	3.2	8.1	2.2	7.4	112
120	3.8	8.1	3.9	9.0	3.3	7.7	-	5.7	2.2	7.0	2.2	7.0	-	6.1	120
128	-	-	3.0	7.8	2.4	6.8	-	4.6	-	5.9	-	5.9	-	5.2	128
136	-	-	-	7.3	-	5.9	-	3.7	-	4.9	-	5.0	-	4.2	136
144	-	-	-	5.9	-	5.1	-	2.9	-	4.0	-	4.2	-	3.6	144
152	-	-	-	-	-	-	-	-	-	-	-	3.5	-	2.8	152
160	-	-	-	-	-	-	-	-	-	-	-	2.9	-	-	160

* Max. values are valid only for specific superstructure positions

 13,400 lb		 26.6 ft x 23.6 ft		360° / Max.*										85%	
 ft	 360° 39.4ft	Max. 39.4ft	360° 53.5ft	Max. 53.5ft	360° 67.3ft	Max. 67.3ft	360° 81.4ft	Max. 81.4ft	360° 95.5ft	Max. 95.5ft	360° 109.6ft	Max. 109.6ft	360° 123.4ft	Max. 123.4ft	 ft
1,000 lb															
10	155.8	160.9	156.5	157.6	153.0	153.0	130.5	130.5	-	-	-	-	-	-	10
12	138.7	144.3	139.5	143.7	139.0	139.7	127.0	127.0	-	-	-	-	-	-	12
14	124.6	129.8	125.5	130.6	125.2	128.3	121.9	121.9	103.8	103.8	-	-	-	-	14
16	112.9	117.6	113.8	118.5	114.7	117.9	114.1	116.3	97.8	97.8	-	-	-	-	16
18	102.4	106.2	104.2	107.2	105.0	107.0	102.6	107.0	90.0	92.3	69.8	69.8	-	-	18
20	92.1	95.0	94.7	97.2	95.4	97.4	90.7	97.0	81.6	86.9	68.3	68.4	59.6	59.6	20
24	72.1	76.7	74.9	78.6	75.4	78.9	70.8	78.4	67.9	75.9	62.7	65.6	54.8	55.1	24
28	55.5	62.6	58.5	65.4	59.5	65.8	60.2	65.3	56.3	65.2	51.3	62.3	47.8	50.8	28
32	-	-	46.9	55.6	48.6	56.0	48.6	57.4	47.1	56.9	43.7	55.5	41.4	46.7	32
36	-	-	39.1	48.6	40.3	50.0	40.3	50.3	39.5	49.8	37.8	48.5	36.5	43.3	36
40	-	-	-	-	33.2	44.0	33.2	44.0	33.4	43.4	33.9	42.1	31.1	39.8	40
48	-	-	-	-	24.5	35.2	25.6	35.2	25.8	34.5	24.9	32.5	24.8	32.5	48
56	-	-	-	-	16.8	22.3	20.0	28.1	19.7	27.4	20.1	27.8	19.5	26.4	56
64	-	-	-	-	-	-	16.0	22.3	16.2	23.0	16.0	22.7	15.8	21.4	64
72	-	-	-	-	-	-	12.9	15.9	13.1	19.3	12.9	18.6	12.6	18.8	72
80	-	-	-	-	-	-	-	-	10.7	16.4	10.7	15.7	10.2	16.2	80
88	-	-	-	-	-	-	-	-	-	-	8.7	14.1	8.3	13.7	88
96	-	-	-	-	-	-	-	-	-	-	7.1	12.4	6.7	11.8	96
104	-	-	-	-	-	-	-	-	-	-	5.9	8.4	5.4	10.7	104

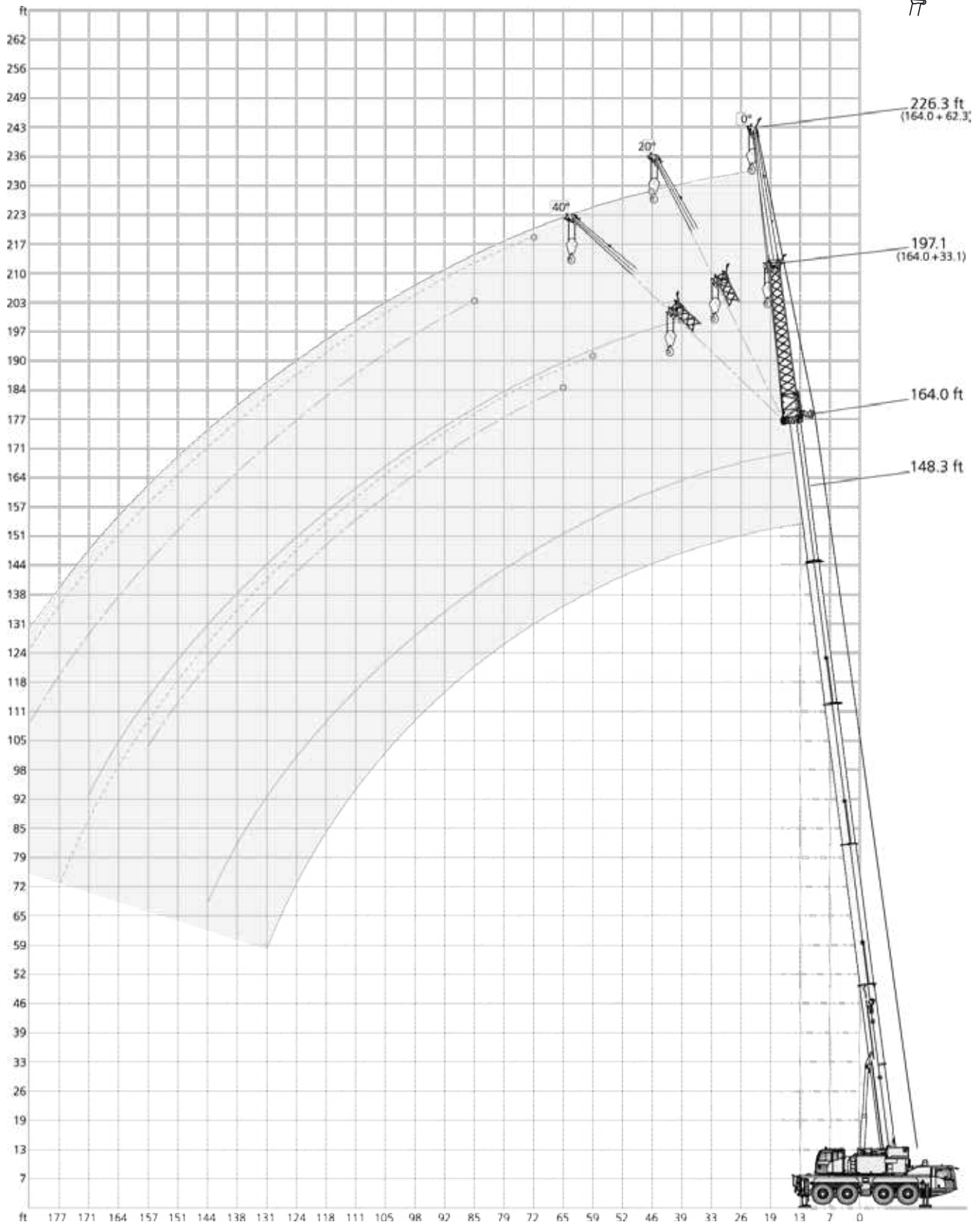
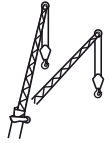
 ft	 360° 132.5ft	Max. 132.5ft	360° 146.7ft	Max. 146.7ft	360° 163.7ft	Max. 163.7ft	360° 165.4ft	Max. 165.4ft	360° 167.0ft	Max. 167.0ft	360° 179.1ft	Max. 179.1ft	360° 194.9ft	Max. 194.9ft	 ft
1,000 lb															
28	43.0	43.0	-	-	-	-	-	-	-	-	-	-	-	-	28
32	37.7	40.1	33.9	33.9	-	-	-	-	-	-	-	-	-	-	32
36	32.8	37.3	30.3	32.1	20.3	20.3	25.9	25.9	23.4	23.4	-	-	-	-	36
40	29.5	34.7	27.7	30.4	19.7	19.7	25.2	25.4	23.0	23.0	20.0	20.0	14.6	14.6	40
48	23.6	29.9	22.8	26.9	18.2	18.2	19.8	23.3	20.7	21.2	18.9	19.4	14.6	14.6	48
56	19.4	24.7	18.7	23.4	16.7	16.7	15.0	21.1	16.9	19.6	15.8	18.5	13.7	14.6	56
64	15.1	21.5	14.9	20.1	14.3	15.1	11.3	19.0	12.9	18.0	12.6	17.2	10.8	14.4	64
72	12.6	17.7	12.2	17.7	11.3	13.7	8.4	15.9	10.0	16.1	9.8	15.9	8.2	13.7	72
80	10.5	15.2	9.8	15.1	9.1	12.6	6.3	13.3	7.9	14.6	7.5	13.9	6.1	12.6	80
88	8.5	13.6	7.8	12.9	7.2	11.3	4.5	11.1	6.1	12.3	5.8	11.8	4.4	11.0	88
96	6.9	11.7	6.2	11.3	5.6	10.2	3.1	9.1	4.5	10.4	4.4	10.4	3.1	8.9	96
104	5.6	10.1	5.0	9.7	4.3	9.4	1.7	7.5	3.2	8.8	3.2	8.8	2.1	7.4	104
112	4.6	8.5	3.9	8.3	3.2	8.3	-	6.1	-	7.4	-	7.4	-	6.1	112
120	2.7	7.5	2.9	7.7	2.2	7.2	-	5.0	-	6.2	-	6.4	-	4.9	120
128	-	-	2.1	6.7	-	6.2	-	4.0	-	5.3	-	5.3	-	4.0	128
136	-	-	-	5.3	-	5.3	-	3.0	-	4.4	-	4.4	-	3.0	136
144	-	-	-	-	-	4.4	-	-	-	3.4	-	3.6	-	2.4	144
152	-	-	-	-	-	-	-	-	-	-	-	2.8	-	-	152

* Max. values are valid only for specific superstructure positions

9,500 lb		26.6 ft x 23.6 ft		360° / Max.*										85%	
ft	360° 39.4ft	Max. 39.4ft	360° 53.5ft	Max. 53.5ft	360° 67.3ft	Max. 67.3ft	360° 81.4ft	Max. 81.4ft	360° 95.5ft	Max. 95.5ft	360° 109.6ft	Max. 109.6ft	360° 123.4ft	Max. 123.4ft	ft
1,000 lb															
10	155.1	160.9	156.0	157.6	153.0	153.0	130.5	130.5	-	-	-	-	-	-	10
12	138.1	144.3	139.0	143.7	138.6	139.7	127.0	127.0	-	-	-	-	-	-	12
14	124.2	129.8	125.0	130.6	124.6	128.3	121.9	121.9	103.8	103.8	-	-	-	-	14
16	112.5	117.6	113.3	118.5	114.4	117.9	113.8	116.3	97.8	97.8	-	-	-	-	16
18	100.9	105.2	103.0	106.2	103.5	106.2	99.7	106.1	87.5	92.3	69.8	69.8	-	-	18
20	89.5	93.1	92.3	95.2	92.6	95.7	85.3	95.0	76.4	86.9	67.9	68.4	59.6	59.6	20
24	69.2	75.0	72.0	77.0	71.5	77.4	68.6	76.8	64.7	75.5	58.7	65.6	53.6	55.1	24
28	51.5	61.8	54.5	64.2	57.6	64.4	56.3	64.6	52.7	64.5	48.0	61.8	45.1	50.8	28
32	-	-	44.0	54.5	45.4	55.6	45.3	56.2	44.0	55.8	41.6	54.5	39.1	46.7	32
36	-	-	36.3	47.5	37.6	49.3	37.5	49.3	36.8	48.8	36.1	47.2	33.5	42.7	36
40	-	-	-	-	31.0	43.1	30.8	43.1	32.3	42.3	31.4	40.6	29.8	38.6	40
48	-	-	-	-	22.6	34.0	23.9	33.9	23.7	32.8	23.7	31.5	23.5	31.5	48
56	-	-	-	-	16.8	20.4	18.3	26.2	18.6	26.2	18.5	26.4	18.3	25.1	56
64	-	-	-	-	-	-	14.6	21.1	14.8	22.0	14.4	21.4	14.4	20.7	64
72	-	-	-	-	-	-	11.7	15.9	11.7	18.6	11.7	17.7	11.3	18.1	72
80	-	-	-	-	-	-	-	-	9.7	15.7	9.4	15.6	9.0	15.3	80
88	-	-	-	-	-	-	-	-	-	-	7.6	13.7	7.2	13.2	88
96	-	-	-	-	-	-	-	-	-	-	6.1	11.8	5.7	11.4	96
104	-	-	-	-	-	-	-	-	-	-	5.0	8.4	4.5	10.1	104

ft	360° 132.5ft	Max. 132.5ft	360° 146.7ft	Max. 146.7ft	360° 163.7ft	Max. 163.7ft	360° 165.4ft	Max. 165.4ft	360° 167.0ft	Max. 167.0ft	360° 179.1ft	Max. 179.1ft	360° 194.9ft	Max. 194.9ft	ft
1,000 lb															
28	41.3	43.0	-	-	-	-	-	-	-	-	-	-	-	-	28
32	35.5	40.1	32.7	33.9	-	-	-	-	-	-	-	-	-	-	32
36	30.9	37.3	28.4	32.1	20.3	20.3	25.3	25.9	23.4	23.4	-	-	-	-	36
40	28.1	34.6	26.0	30.4	19.7	19.7	23.7	25.4	22.9	23.0	20.0	20.0	14.6	14.6	40
48	22.8	28.7	21.5	26.9	18.2	18.2	17.5	23.3	19.5	21.2	17.9	19.4	14.5	14.6	48
56	17.6	24.1	16.9	22.7	16.0	16.7	13.1	21.1	14.9	19.6	14.4	18.5	12.6	14.6	56
64	14.2	20.7	13.9	19.4	12.6	15.1	9.7	18.5	11.2	18.0	10.8	17.2	9.2	14.4	64
72	11.5	17.1	10.9	16.8	9.8	13.7	7.1	15.1	8.4	16.1	8.2	15.5	6.7	13.7	72
80	9.4	15.1	8.5	14.5	7.7	12.6	5.0	12.2	6.5	13.8	6.1	12.6	4.8	11.7	80
88	7.4	12.9	6.7	12.5	6.1	11.3	3.4	10.2	4.8	11.6	4.6	11.2	3.3	9.5	88
96	5.9	11.1	5.3	10.6	4.6	10.2	2.1	8.3	3.5	9.6	3.4	9.2	2.1	7.6	96
104	4.8	9.5	4.1	9.2	3.4	9.2	-	6.6	2.3	7.9	2.3	7.7	-	6.1	104
112	3.7	8.3	3.0	8.3	2.4	7.9	-	5.2	-	6.6	-	6.3	-	4.8	112
120	2.0	7.0	2.2	7.0	-	6.5	-	4.1	-	5.5	-	5.3	-	3.9	120
128	-	-	-	5.9	-	5.3	-	3.0	-	4.4	-	4.3	-	3.0	128
136	-	-	-	4.4	-	4.4	-	-	-	3.3	-	3.5	-	-	136
144	-	-	-	-	-	3.6	-	-	-	2.7	-	2.7	-	-	144

* Max. values are valid only for specific superstructure positions



54,000 lb								360°								85 %		
164.0 ft								148.3 ft										
		33.1 ft			62.3 ft					33.1 ft			62.3 ft					
		0°	20°	40°	0°	20°	40°			0°	20°	40°	0°	20°	40°			
ft		1,000 lb						ft		1,000 lb								
40		14.8	-	-	-	-	-	40		18.9	-	-	10.1	-	-			
48		14.8	-	-	8.2	-	-	48		18.7	-	-	10.1	-	-			
56		14.8	-	-	8.2	-	-	56		18.3	17.7	-	10.1	-	-			
64		14.8	14.3	-	8.2	-	-	64		17.2	16.8	15.7	10.0	-	-			
72		13.9	13.5	12.6	8.2	-	-	72		15.9	15.7	15.4	9.7	9.0	-			
80		12.9	12.7	11.8	8.2	8.1	-	80		14.6	14.6	14.6	9.4	8.8	7.7			
88		12.0	11.9	11.3	8.2	7.9	7.2	88		13.3	13.4	13.5	9.2	8.5	7.5			
96		11.0	11.0	10.7	8.2	7.8	7.1	96		12.2	12.4	12.5	8.9	8.2	7.4			
104		10.2	10.4	10.2	8.0	7.5	6.9	104		10.8	11.4	11.6	8.6	8.2	7.3			
112		9.2	9.4	9.7	7.7	7.0	6.6	112		9.2	10.0	10.5	8.1	7.9	7.1			
120		7.6	8.3	8.7	7.2	6.8	6.3	120		8.5	8.5	8.9	7.8	7.6	7.0			
128		6.4	7.0	7.4	6.7	6.4	6.1	128		7.3	7.7	7.8	7.0	7.2	6.8			
136		5.3	6.0	6.2	5.8	6.0	6.0	136		6.2	6.6	6.9	6.3	6.7	6.7			
144		4.4	4.9	5.1	4.7	5.7	5.7	144		5.1	5.6	5.8	5.5	5.8	6.4			
152		3.6	4.0	4.1	3.9	4.7	5.4	152		4.3	4.7	-	4.7	5.4	5.5			
160		2.8	3.1	-	3.1	3.9	4.4	160		3.7	3.9	-	3.9	4.6	5.0			
168		2.2	2.5	-	2.4	3.1	3.6	168		-	-	-	3.3	3.8	4.0			
176		-	1.8	-	1.8	2.3	2.8	176		-	-	-	2.7	3.2	-			
								184		-	-	-	2.2	2.4	-			

137.1 ft							
		33.1 ft			62.3 ft		
		0°	20°	40°	0°	20°	40°
ft		1,000 lb					
36		23.8	-	-	-	-	-
40		23.5	-	-	11.9	-	-
48		22.7	20.3	-	11.6	-	-
56		21.2	19.5	16.9	11.3	-	-
64		19.3	18.5	16.4	11.1	10.0	-
72		17.5	17.2	15.9	10.6	9.7	-
80		15.9	15.7	15.1	10.3	9.2	7.9
88		14.4	14.4	14.4	10.0	8.9	7.7
96		12.7	13.2	13.3	9.6	8.7	7.6
104		11.6	11.6	11.9	9.3	8.4	7.3
112		9.8	10.5	10.7	8.8	8.1	7.3
120		8.5	9.1	9.4	8.1	7.9	7.2
128		7.3	7.7	8.0	7.6	7.6	7.1
136		6.2	6.6	-	6.6	7.3	7.1
144		5.3	5.6	-	5.6	6.4	6.8
152		4.5	-	-	4.7	5.4	5.8
160		-	-	-	4.0	4.6	4.8
168		-	-	-	3.3	3.8	-
176		-	-	-	2.7	3.2	-

39.0 ft							
		33.1 ft			62.3 ft		
		0°	20°	40°	0°	20°	40°
ft		1,000 lb					
10		29.1	-	-	19.8	-	-
12		29.1	-	-	19.6	-	-
14		29.1	-	-	19.3	-	-
16		29.1	-	-	19.0	-	-
18		29.1	28.7	-	18.9	-	-
20		29.1	28.0	-	18.7	-	-
24		28.9	26.0	-	17.9	-	-
28		28.0	24.4	20.5	17.3	-	-
32		26.9	23.0	19.4	16.5	-	-
36		25.5	21.6	18.5	15.8	13.7	-
40		24.0	20.3	17.8	15.1	12.9	-
48		20.9	18.3	16.8	13.5	11.8	-
56		18.3	16.9	-	12.1	10.7	9.2
64		-	-	-	11.0	9.9	8.7
72		-	-	-	9.9	9.1	8.2
80		-	-	-	9.1	8.6	-

42,500 lb				 26.6 ft x 23.6 ft				360°				85 %			
 164.0 ft								 148.3 ft							
 		33.1 ft			62.3 ft			 		33.1 ft			62.3 ft		
		0°	20°	40°	0°	20°	40°			0°	20°	40°	0°	20°	40°
ft		1,000 lb													
40		14.8	-	-	-	-	-	40		18.9	-	-	10.1	-	-
48		14.8	-	-	8.2	-	-	48		18.7	-	-	10.1	-	-
56		14.8	-	-	8.2	-	-	56		18.3	17.7	-	10.1	-	-
64		14.8	14.3	-	8.2	-	-	64		17.2	16.8	15.7	10.0	-	-
72		13.9	13.5	12.6	8.2	-	-	72		15.9	15.7	15.4	9.7	9.0	-
80		12.9	12.7	11.8	8.2	8.1	-	80		14.5	14.6	14.6	9.4	8.8	7.7
88		12.0	11.9	11.3	8.2	7.9	7.2	88		12.6	13.3	13.5	9.2	8.5	7.5
96		10.4	11.0	10.7	8.2	7.8	7.1	96		11.0	11.5	12.0	8.9	8.2	7.4
104		8.6	9.5	10.0	8.0	7.5	6.9	104		9.5	10.1	10.2	8.6	8.2	7.3
112		7.0	7.9	8.3	7.2	7.0	6.6	112		7.9	8.5	9.0	7.7	7.9	7.1
120		5.7	6.5	7.0	5.9	6.8	6.3	120		6.6	7.2	7.6	7.0	7.5	7.0
128		4.6	5.3	5.6	5.0	6.2	6.1	128		5.5	5.9	6.3	5.7	6.4	6.7
136		3.7	4.2	4.4	4.0	5.1	5.8	136		4.4	4.9	5.1	4.8	5.7	6.0
144		2.9	3.3	3.6	3.1	4.0	4.9	144		3.6	4.0	4.2	4.0	4.7	5.3
152		2.1	2.5	2.8	2.4	3.2	3.9	152		3.0	3.2	-	3.2	3.9	4.5
160		-	-	-	-	2.5	3.1	160		2.3	2.5	-	2.5	3.1	3.5
168		-	-	-	-	1.8	2.2	168		-	-	-	1.9	2.5	2.7
								176		-	-	-	-	1.8	-

19,000 lb				26.6 ft x 23.6 ft				360°				85 %				
164.0 ft								148.3 ft								
		33.1 ft		62.3 ft						33.1 ft		62.3 ft				
		0°	20°	40°	0°	20°	40°					0°	20°	40°		
ft		1,000 lb														
40		14.8	-	-	-	-	-	40		18.9	-	-	10.1	-	-	
48		14.8	-	-	8.2	-	-	48		18.7	-	-	10.1	-	-	
56		14.8	-	-	8.2	-	-	56		17.2	17.7	-	10.1	-	-	
64		12.9	14.3	-	8.2	-	-	64		14.7	15.4	15.7	10.0	-	-	
72		10.2	11.7	12.6	8.2	-	-	72		11.7	13.0	13.7	9.7	9.0	-	
80		7.9	9.1	10.4	7.6	8.1	-	80		9.4	10.5	11.6	9.0	8.8	7.7	
88		6.1	7.2	8.2	5.8	7.6	7.2	88		7.4	8.4	9.4	7.2	8.4	7.5	
96		4.6	5.6	6.4	4.4	6.2	7.1	96		5.8	6.7	7.4	5.7	7.5	7.4	
104		3.3	4.3	5.0	3.2	4.8	6.3	104		4.5	5.2	5.9	4.4	5.9	6.9	
112		2.4	3.0	3.7	-	3.7	5.0	112		3.2	3.9	4.6	3.5	4.8	6.1	
120		-	2.2	2.7	-	2.7	3.9	120		2.2	2.9	3.3	2.5	3.8	4.8	
128		-	-	-	-	-	2.9	128		-	2.1	2.3	-	2.9	3.7	
136		-	-	-	-	-	1.9	136		-	-	-	-	2.1	2.8	
								144		-	-	-	-	-	2.0	

 13,400 lb				 26.6 ft x 23.6 ft				360°				85%			
 164.0 ft												 148.3 ft			
		33.1 ft			62.3 ft					33.1 ft			62.3 ft		
		0°	20°	40°	0°	20°	40°			0°	20°	40°	0°	20°	40°
ft		1,000 lb													
40		14.8	-	-	-	-	-	40		18.9	-	-	10.1	-	-
48		14.8	-	-	8.2	-	-	48		18.2	-	-	10.1	-	-
56		13.8	-	-	8.2	-	-	56		15.9	16.8	-	10.1	-	-
64		11.0	12.8	-	8.2	-	-	64		12.6	14.0	14.7	10.0	-	-
72		8.2	9.8	11.3	7.7	-	-	72		9.8	11.1	12.4	9.5	9.0	-
80		6.1	7.4	8.7	5.9	7.9	-	80		7.6	8.7	9.8	7.4	8.7	7.7
88		4.5	5.6	6.7	4.3	6.5	7.2	88		5.8	7.0	7.8	5.6	7.6	7.5
96		3.2	4.2	5.1	3.0	4.9	6.5	96		4.5	5.3	6.2	4.3	6.0	7.3
104		2.1	3.0	3.7	1.9	3.7	5.2	104		3.3	4.1	4.8	3.2	4.8	6.2
112		-	-	2.6	-	2.6	3.9	112		-	3.0	3.5	2.2	3.7	4.8
120		-	-	-	-	-	2.8	120		-	-	2.4	-	2.7	3.7
								128		-	-	-	-	-	2.8
								136		-	-	-	-	-	1.9

137.1 ft

33.1 ft

62.3 ft

ft	33.1 ft			62.3 ft		
	0°	20°	40°	0°	20°	40°
1,000 lb						
36	23.8	-	-	-	-	-
40	23.4	-	-	11.9	-	-
48	20.3	20.1	-	11.6	-	-
56	16.5	17.9	16.9	11.3	-	-
64	13.0	14.6	15.5	11.1	10.0	-
72	10.2	11.5	12.9	9.9	9.7	-
80	7.9	9.1	10.2	7.9	9.0	7.9
88	6.1	7.2	8.0	6.1	8.1	7.7
96	4.6	5.6	6.2	4.6	6.4	7.5
104	3.3	4.1	4.6	3.4	5.0	6.4
112	-	2.8	3.2	2.6	3.9	5.0
120	-	-	2.2	-	2.9	3.9
128	-	-	-	-	2.1	2.9
136	-	-	-	-	-	1.9

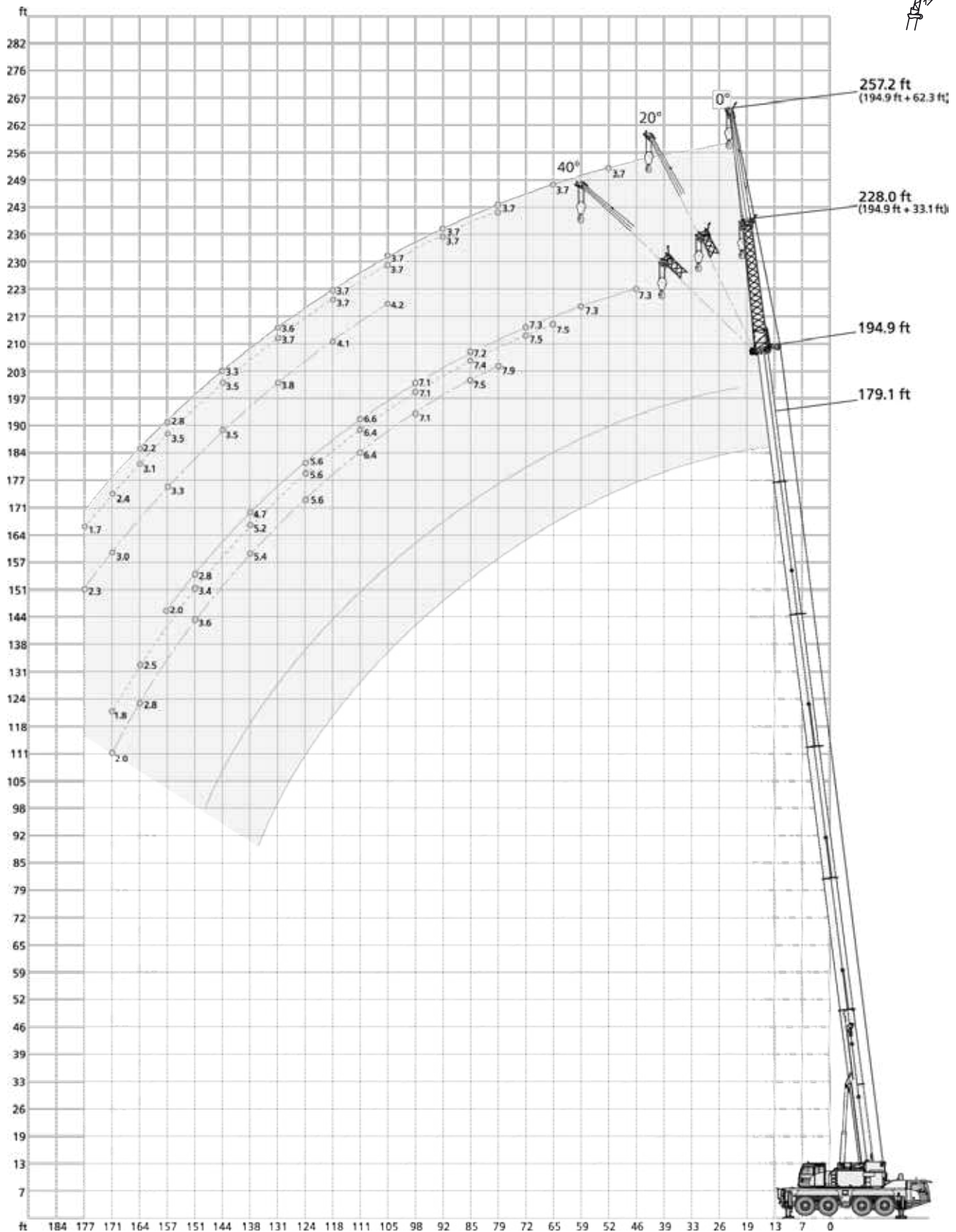
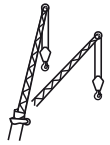
 39.0 ft							
 ft	33.1 ft			62.3 ft			
	0°	20°	40°	0°	20°	40°	
1,000 lb							
10	29.1	-	-	19.8	-	-	
12	29.1	-	-	19.6	-	-	
14	29.1	-	-	19.3	-	-	
16	29.1	-	-	19.0	-	-	
18	29.1	28.7	-	18.9	-	-	
20	29.1	28.0	-	18.7	-	-	
24	28.9	26.0	-	17.9	-	-	
28	28.0	24.4	20.5	17.3	-	-	
32	26.9	23.0	19.4	16.5	-	-	
36	25.5	21.6	18.5	15.8	13.7	-	
40	24.0	20.3	17.8	15.1	12.9	-	
48	20.9	18.3	16.8	13.5	11.8	-	
56	18.3	16.9	-	12.1	10.7	9.2	
64	-	-	-	11.0	9.9	8.7	
72	-	-	-	9.9	9.1	8.2	
80	-	-	-	9.1	8.6	-	

9,500 lb				26.6 ft x 23.6 ft			
 164.0 ft							
 	33.1 ft			62.3 ft			
	0°	20°	40°	0°	20°	40°	
ft	1,000 lb						
40	14.8	-	-	-	-	-	
48	14.6	-	-	8.2	-	-	
56	12.7	-	-	8.2	-	-	
64	9.3	11.2	-	8.2	-	-	
72	6.7	8.4	9.8	6.4	-	-	
80	4.8	6.3	7.4	4.6	7.0	-	
88	3.3	4.5	5.6	3.1	5.3	6.9	
96	2.1	3.2	4.0	1.9	3.9	5.6	
104	-	2.1	2.8	-	2.6	4.1	
112	-	-	-	-	-	3.0	

360°				85 %			
 148.3 ft							
 	33.1 ft			62.3 ft			
	0°	20°	40°	0°	20°	40°	
ft	1,000 lb						
40	18.2	-	-	10.1	-	-	
48	17.2	-	-	10.1	-	-	
56	14.4	15.4	-	9.9	-	-	
64	11.0	12.6	13.4	9.8	-	-	
72	8.2	9.8	11.1	8.0	9.0	-	
80	6.3	7.5	8.5	6.1	8.3	7.7	
88	4.6	5.8	6.7	4.4	6.5	7.4	
96	3.4	4.4	5.1	3.2	5.0	6.6	
104	2.3	3.2	3.9	2.1	3.7	5.2	
112	-	-	2.6	-	2.6	3.9	
120	-	-	-	-	-	2.9	
128	-	-	-	-	-	2.1	

137.1 ft							
 	33.1 ft			62.3 ft			
	0°	20°	40°	0°	20°	40°	
ft	1,000 lb						
36	23.8	-	-	-	-	-	
40	23.1	-	-	11.9	-	-	
48	19.1	19.5	-	11.6	-	-	
56	14.9	16.6	16.5	11.3	-	-	
64	11.5	13.0	14.3	10.6	10.0	-	
72	8.7	10.0	11.3	8.4	9.7	-	
80	6.6	7.9	8.9	6.5	8.7	7.9	
88	5.0	6.1	6.9	4.8	6.9	7.6	
96	3.6	4.6	5.1	3.6	5.3	6.8	
104	2.4	3.3	3.7	2.6	4.1	5.5	
112	-	-	2.6	-	3.0	4.1	
120	-	-	-	-	2.0	3.1	
128	-	-	-	-	-	2.2	

39.0 ft							
 	33.1 ft			62.3 ft			
	0°	20°	40°	0°	20°	40°	
ft	1,000 lb						
10	29.1	-	-	19.8	-	-	
12	29.1	-	-	19.6	-	-	
14	29.1	-	-	19.3	-	-	
16	29.1	-	-	19.0	-	-	
18	29.1	28.7	-	18.9	-	-	
20	29.1	28.0	-	18.7	-	-	
24	28.9	26.0	-	17.9	-	-	
28	28.0	24.4	20.5	17.3	-	-	
32	26.9	23.0	19.4	16.5	-	-	
36	25.5	21.6	18.5	15.8	13.7	-	
40	24.0	20.3	17.8	15.1	12.9	-	
48	20.9	18.3	16.8	13.5	11.8	-	
56	17.9	16.9	-	12.1	10.7	9.2	
64	-	-	-	11.0	9.9	8.7	
72	-	-	-	9.9	9.1	8.2	
80	-	-	-	9.1	8.6	-	



54,000 lb				 26.6 ft x 23.6 ft				360°				85 %			
 194.9 ft								 179.1 ft							
		33.1 ft			62.3 ft					33.1 ft			62.3 ft		
		0°	20°	40°	0°	20°	40°			0°	20°	40°			
ft								ft							
1,000 lb								1,000 lb							
48		7.3	-	-	-	-	-	48		10.4	-	-	5.5	-	-
56		7.3	-	-	3.7	-	-	56		10.4	-	-	5.5	-	-
64		7.3	7.5	-	3.7	-	-	64		10.4	10.4	-	5.5	-	-
72		7.3	7.5	-	3.7	-	-	72		10.4	10.4	-	5.5	-	-
80		7.3	7.5	7.9	3.7	3.7	-	80		9.9	10.3	10.5	5.5	5.5	-
88		7.2	7.4	7.5	3.7	3.7	-	88		9.6	10.0	10.2	5.5	5.5	-
96		7.1	7.1	7.1	3.7	3.7	-	96		9.2	9.4	9.6	5.5	5.5	6.2
104		6.9	6.7	6.7	3.7	3.7	4.2	104		8.7	8.9	8.9	5.5	5.5	6.0
112		6.6	6.4	6.4	3.7	3.7	4.2	112		8.1	8.1	8.3	5.5	5.5	5.7
120		6.3	6.0	6.0	3.7	3.7	4.2	120		7.2	7.5	7.8	5.4	5.5	5.5
128		5.6	5.6	5.6	3.7	3.7	4.1	128		5.8	6.5	7.0	5.2	5.5	5.4
136		4.7	5.2	5.4	3.6	3.7	3.8	136		5.2	5.4	5.8	4.9	5.4	5.3
144		3.6	4.2	4.7	3.3	3.5	3.5	144		4.4	4.9	4.9	4.0	5.1	5.1
152		2.8	3.4	3.6	2.8	3.5	3.3	152		3.6	4.1	4.3	3.5	4.3	4.7
160		2.0	2.5	2.8	2.2	3.1	3.2	160		2.8	3.3	3.5	3.1	3.3	3.9
168		-	1.8	2.0	-	2.4	3.0	168		2.2	2.5	2.7	2.4	3.0	3.1
176		-	-	-	-	1.7	2.3	176		-	1.8	-	1.7	2.3	2.7
								184		-	-	-	-	-	2.2

 163.7 ft							
 ft		33.1 ft			62.3 ft		
		0°	20°	40°	0°	20°	40°
1,000 lb							
40		13.9	-	-	-	-	-
48		13.9	-	-	7.7	-	-
56		13.8	13.9	-	7.7	-	-
64		13.5	13.6	-	7.7	-	-
72		12.8	13.0	13.2	7.7	-	-
80		12.0	12.4	12.4	7.5	7.5	-
88		11.2	11.4	11.6	7.4	7.5	-
96		10.4	10.5	10.7	7.3	7.5	7.1
104		9.6	9.6	9.8	7.3	7.3	6.9
112		8.3	8.7	9.0	6.8	7.0	6.8
120		7.5	7.7	8.0	6.5	6.8	6.6
128		6.6	6.9	7.2	5.7	6.6	6.6
136		5.5	6.0	6.4	5.1	5.9	6.3
144		4.6	4.9	5.3	4.7	5.1	5.8
152		4.1	4.1	4.3	3.9	4.6	4.7
160		3.7	3.7	-	3.1	3.9	4.4
168		3.1	3.3	-	2.7	3.1	3.6
176		2.5	2.7	-	2.5	2.5	2.8
184		-	-	-	2.2	2.2	-
192		-	-	-	-	1.9	-

 39.4 ft							
	33.1 ft			62.3 ft			
	0°	20°	40°	0°	20°	40°	
ft	1,000 lb						
10	29.1	-	-	19.2	-	-	
12	29.1	-	-	19.1	-	-	
14	29.1	-	-	18.8	-	-	
16	29.1	-	-	18.6	-	-	
18	29.1	28.7	-	18.4	-	-	
20	29.1	28.0	-	18.2	-	-	
24	28.9	26.0	-	17.5	-	-	
28	28.0	24.4	20.3	17.0	-	-	
32	26.9	22.8	19.3	16.3	-	-	
36	25.5	21.5	18.5	15.6	13.6	-	
40	24.0	20.3	17.8	14.9	12.9	-	
48	20.9	18.3	16.8	13.3	11.6	-	
56	18.3	17.1	-	12.1	10.7	9.2	
64	-	-	-	11.0	9.9	8.7	
72	-	-	-	9.9	9.1	8.2	
80	-	-	-	9.1	8.6	-	

42,500 lb				 26.6 ft x 23.6 ft				360°				85 %													
 194.9 ft												 179.1 ft													
		33.1 ft			62.3 ft					33.1 ft			62.3 ft												
		0°	20°	40°	0°	20°	40°			0°	20°	40°	0°	20°	40°										
ft	1,000 lb												ft	1,000 lb											
48	7,3	-	-	-	-	-	-	48	10.4	-	-	-	5.5	-	-										
56	7,3	-	-	-	3,7	-	-	56	10.4	-	-	-	5.5	-	-										
64	7,3	7,5	-	-	3,7	-	-	64	10.4	10.4	-	-	5.5	-	-										
72	7,3	7,5	-	-	3,7	-	-	72	10.4	10.4	-	-	5.5	-	-										
80	7,3	7,5	7,9	-	3,7	3,7	-	80	9.9	10.3	10.5	-	5.5	5.5	-										
88	7,2	7,4	7,5	-	3,7	3,7	-	88	9.6	10.0	10.2	-	5.5	5.5	-										
96	7,1	7,1	7,1	-	3,7	3,7	-	96	9.2	9.4	9.6	-	5.5	5.5	6.2										
104	6,9	6,7	6,7	-	3,7	3,7	4,2	104	7.9	8.9	8.9	-	5.5	5.5	6.0										
112	5,9	6,4	6,4	-	3,7	3,7	4,2	112	6.6	7.4	8.1	-	5.5	5.5	5.7										
120	4,8	5,6	6,0	-	3,7	3,7	4,2	120	5.9	6.0	6.5	-	5.0	5.5	5.5										
128	3,7	4,5	5,1	-	3,4	3,7	4,1	128	4.6	5.3	5.5	-	4.1	5.2	5.4										
136	2,8	3,5	4,0	-	2,6	3,7	3,8	136	3.7	4.4	4.7	-	3.6	4.4	5.3										
144	2,0	2,7	3,1	-	1,8	2,9	3,5	144	2.9	3.4	3.8	-	2.9	3.6	4.5										
152	-	-	2,1	-	-	2,3	3,2	152	2.1	2.5	2.8	-	2.3	3.2	3.4										
160	-	-	-	-	-	-	2,4	160	-	-	2.0	-	-	2.4	3.1										
								168	-	-	-	-	-	-	2.2										



163.7 ft

ft		33.1 ft			62.3 ft		
		0°	20°	40°	0°	20°	40°
1,000 lb							
40	13.9	-	-	-	-	-	-
48	13.9	-	-	-	7.7	-	-
56	13.8	13.9	-	-	7.7	-	-
64	13.5	13.6	-	-	7.7	-	-
72	12.8	13.0	13.2	-	7.7	-	-
80	12.0	12.4	12.4	-	7.5	7.5	-
88	11.0	11.4	11.6	-	7.4	7.5	-
96	9.6	10.3	10.7	-	7.3	7.5	7.1
104	8.7	8.9	9.2	-	7.3	7.3	6.9
112	7.2	8.1	8.3	-	6.3	7.0	6.8
120	6.0	6.6	7.2	-	5.7	6.6	6.6
128	5.5	5.4	5.8	-	5.1	5.6	6.3
136	4.7	5.0	5.0	-	4.0	5.0	5.3
144	3.8	4.2	4.4	-	3.5	4.2	4.9
152	3.0	3.4	3.6	-	3.2	3.3	4.0
160	2.4	2.6	-	-	2.5	3.0	3.1
168	1.7	1.9	-	-	1.9	2.6	2.7
176	-	-	-	-	-	1.9	2.3

 39.4 ft							
 33.1 ft	40°			62.3 ft			
	0°	20°	40°	0°	20°	40°	
ft	1,000 lb						
10	29.1	-	-	19.2	-	-	
12	29.1	-	-	19.1	-	-	
14	29.1	-	-	18.8	-	-	
16	29.1	-	-	18.6	-	-	
18	29.1	28.7	-	18.4	-	-	
20	29.1	28.0	-	18.2	-	-	
24	28.9	26.0	-	17.5	-	-	
28	28.0	24.4	20.3	17.0	-	-	
32	26.9	22.8	19.3	16.3	-	-	
36	25.5	21.5	18.5	15.6	13.6	-	
40	24.0	20.3	17.8	14.9	12.9	-	
48	20.9	18.3	16.8	13.3	11.6	-	
56	18.3	17.1	-	12.1	10.7	9.2	
64	-	-	-	11.0	9.9	8.7	
72	-	-	-	9.9	9.1	8.2	
80	-	-	-	9.1	8.6	-	

19,000 lb							 26.6 ft x 23.6 ft							360°							85%								
 194.9 ft														 179.1 ft															
 	33.1 ft			62.3 ft										 	33.1 ft			62.3 ft											
	0°	20°	40°	0°	20°	40°									0°	20°	40°	0°	20°	40°									
ft	1,000 lb														ft	1,000 lb													
48	7.3	-	-	-	-	-								48	10.4	-	-	5.5	-	-									
56	7.3	-	-	3.7	-	-								56	10.4	-	-	5.5	-	-									
64	7.3	7.5	-	3.7	-	-								64	10.4	10.4	-	5.5	-	-									
72	7.3	7.5	-	3.7	-	-								72	9.3	10.4	-	5.5	-	-									
80	6.3	7.3	7.9	3.7	3.7	-								80	7.8	8.5	9.8	5.5	5.5	-									
88	4.5	5.8	7.1	3.6	3.7	-								88	5.8	7.2	7.7	4.9	5.5	-									
96	3.1	4.2	5.3	2.6	3.7	-								96	4.4	5.6	6.4	3.9	5.2	6.2									
104	1.9	3.0	3.9	-	3.4	4.2								104	3.2	4.1	5.0	2.8	4.5	5.8									
112	-	-	2.6	-	-	3.9								112	-	3.0	3.7	-	3.5	4.6									
120	-	-	-	-	-	2.8								120	-	2.0	2.7	-	2.5	3.7									
														128	-	-	-	-	-	2.8									
														136	-	-	-	-	-	1.9									

163.7 ft													
ft	33.1 ft			62.3 ft									
	0°	20°	40°	0°	20°	40°							
1,000 lb													
40	13.9	-	-	-	-	-							
48	13.9	-	-	7.7	-	-							
56	13.8	13.9	-	7.7	-	-							
64	12.2	13.6	-	7.7	-	-							
72	10.6	11.5	12.6	7.7	-	-							
80	8.6	9.6	10.5	6.8	7.5	-							
88	7.4	7.8	8.6	6.1	7.0	-							
96	5.9	6.8	7.0	5.2	6.2	7.1							
104	4.6	5.5	6.1	4.3	5.0	6.0							
112	3.5	4.3	5.0	3.2	4.6	5.2							
120	2.7	3.3	3.7	2.3	3.7	4.2							
128	-	2.3	2.8	-	2.8	3.7							
136	-	-	1.8	-	1.9	2.9							
144	-	-	-	-	-	2.2							

39.4 ft													
ft	33.1 ft			62.3 ft									
	0°	20°	40°	0°	20°	40°							
1,000 lb													
10	29.1	-	-	19.2	-	-							
12	29.1	-	-	19.1	-	-							
14	29.1	-	-	18.8	-	-							
16	29.1	-	-	18.6	-	-							
18	29.1	28.7	-	18.4	-	-							
20	29.1	28.0	-	18.2	-	-							
24	28.9	26.0	-	17.5	-	-							
28	28.0	24.4	20.3	17.0	-	-							
32	26.9	22.8	19.3	16.3	-	-							
36	25.5	21.5	18.5	15.6	13.6	-							
40	24.0	20.3	17.8	14.9	12.9	-							
48	20.9	18.3	16.8	13.3	11.6	-							
56	18.3	17.1	-	12.1	10.7	9.2							
64	-	-	-	11.0	9.9	8.7							
72	-	-	-	9.9	9.1	8.2							
80	-	-	-	9.1	8.6	-							

13,400 lb				 26.6 ft x 23.6 ft				360°				85 %							
 194.9 ft												 179.1 ft							
		33.1 ft			62.3 ft						33.1 ft			62.3 ft					
		0°	20°	40°	0°	20°	40°				0°	20°	40°						
ft		1,000 lb										ft		1,000 lb					
48		7.3	-	-	-	-	-	-				48		10.4	-	-	5.5	-	-
56		7.3	-	-	3.7	-	-	-				56		10.4	-	-	5.5	-	-
64		7.3	7.5	-	3.7	-	-	-				64		9.7	10.4	-	5.5	-	-
72		6.4	7.5	-	3.7	-	-	-				72		8.2	9.1	8.8	5.5	-	-
80		4.6	6.1	7.4	3.6	3.7	-	-				80		6.1	7.4	8.0	4.9	5.5	-
88		3.0	4.3	5.5	2.4	3.7	-	-				88		4.4	5.6	6.7	4.0	5.2	-
96		-	2.8	3.9	-	3.2	-	-				96		3.1	4.2	5.1	2.6	4.4	5.8
104		-	-	2.6	-	2.1	-	-				104		1.9	2.8	3.7	-	3.3	4.9
												112		-	-	2.6	-	2.2	3.7
												120		-	-	-	-	-	2.7



163.7 ft

 	33.1 ft			62.3 ft		
	0°	20°	40°	0°	20°	40°
ft	1,000 lb					
40	13.9	-	-	-	-	-
48	13.9	-	-	7.7	-	-
56	13.1	13.9	-	7.7	-	-
64	11.1	12.1	-	7.7	-	-
72	9.5	10.2	11.2	7.1	-	-
80	7.6	8.4	9.1	6.1	7.3	-
88	5.9	7.1	7.4	5.4	6.3	-
96	4.6	5.5	6.4	4.2	5.2	6.3
104	3.4	4.1	5.0	3.0	4.5	5.4
112	2.4	3.0	3.7	-	3.5	4.4
120	-	2.2	2.7	-	2.5	3.7
128	-	-	-	-	-	2.8
136	-	-	-	-	-	1.9

 39.4 ft							
 33.1 ft		33.1 ft			62.3 ft		
		0°	20°	40°	0°	20°	40°
ft		1,000 lb					
10		29.1	-	-	19.2	-	-
12		29.1	-	-	19.1	-	-
14		29.1	-	-	18.8	-	-
16		29.1	-	-	18.6	-	-
18		29.1	28.7	-	18.4	-	-
20		29.1	28.0	-	18.2	-	-
24		28.9	26.0	-	17.5	-	-
28		28.0	24.4	20.3	17.0	-	-
32		26.9	22.8	19.3	16.3	-	-
36		25.5	21.5	18.5	15.6	13.6	-
40		24.0	20.3	17.8	14.9	12.9	-
48		20.9	18.3	16.8	13.3	11.6	-
56		18.3	17.1	-	12.1	10.7	9.2
64		-	-	-	11.0	9.9	8.7
72		-	-	-	9.9	9.1	8.2
80		-	-	-	9.1	8.6	-

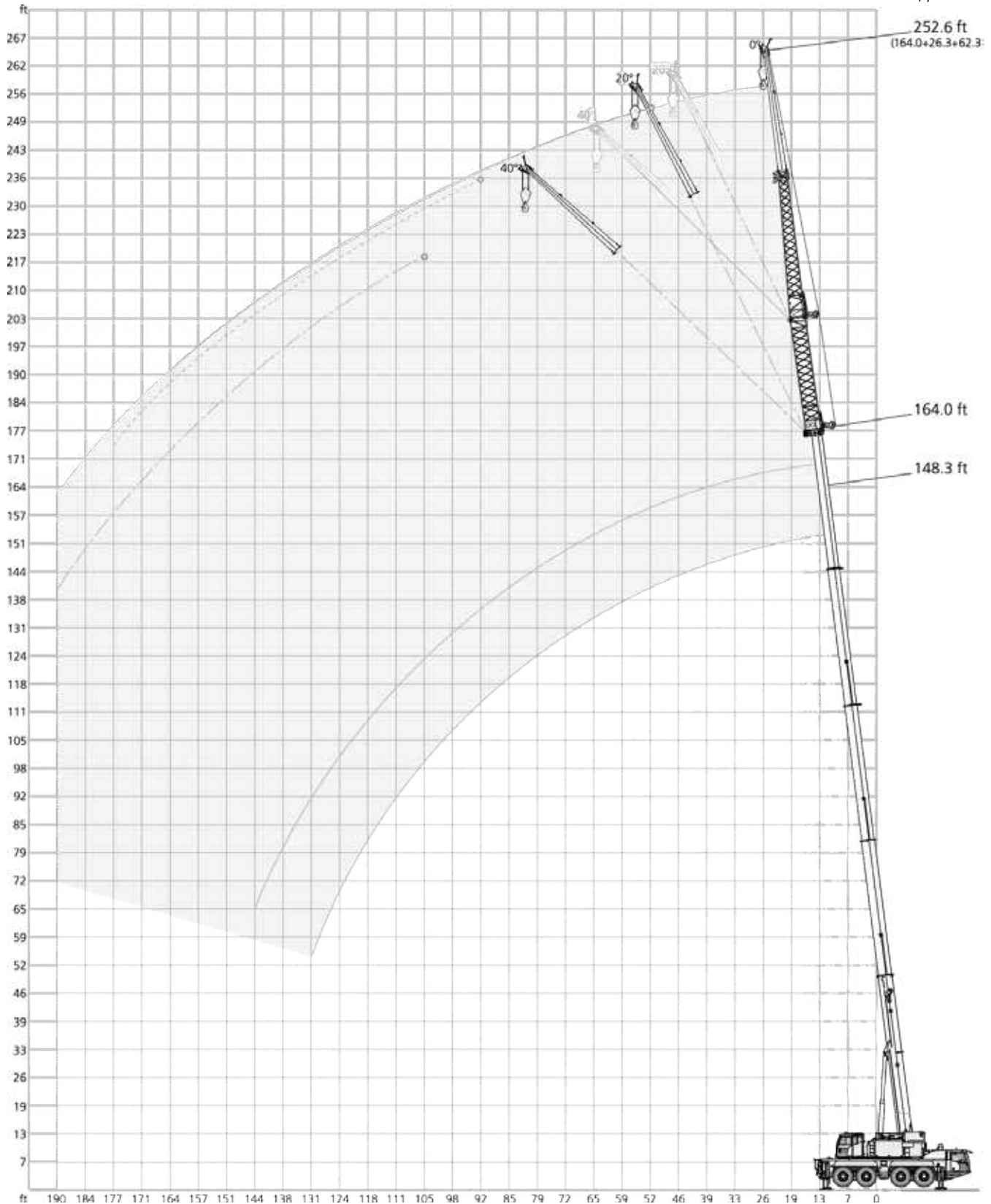
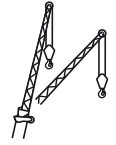
 9,500 lb				 26.6 ft x 23.6 ft				360°				85 %							
 194.9 ft								 179.1 ft											
				33.1 ft			62.3 ft							33.1 ft			62.3 ft		
				0°	20°	40°	0°	20°	40°					0°	20°	40°	0°	20°	40°
ft				1,000 lb															
48				7.3	-	-	-	-	-	48				10.4	-	-	5.5	-	-
56				7.3	-	-	3.7	-	-	56				10.4	-	-	5.5	-	-
64				6.9	7.5	-	3.7	-	-	64				8.8	9.9	-	5.5	-	-
72				5.1	6.9	-	3.7	-	-	72				6.7	8.2	8.8	5.3	-	-
80				3.3	4.8	6.1	2.7	-	-	80				4.8	6.1	7.4	4.2	5.4	-
88				-	3.1	4.3	-	-	-	88				3.3	4.5	5.6	2.7	4.7	-
96				-	-	2.8	-	-	-	96				2.0	3.1	4.0	-	3.5	5.1
										104				-	1.9	2.8	-	2.3	4.1
										112				-	-	-	-	-	2.8

 163.7 ft							
	33.1 ft			62.3 ft			
	0°	20°	40°	0°	20°	40°	
ft	1,000 lb						
40	13.9	-	-	-	-	-	
48	13.8	-	-	7.7	-	-	
56	12.1	13.2	-	7.7	-	-	
64	10.0	11.3	-	7.6	-	-	
72	8.4	9.1	10.2	6.6	-	-	
80	6.4	7.6	8.0	5.6	6.5	-	
88	4.8	5.8	6.9	4.4	5.6	-	
96	3.5	4.4	5.3	3.1	4.7	5.8	
104	2.3	3.2	3.9	2.1	3.7	4.7	
112	-	2.2	2.8	-	2.6	3.9	
120	-	-	-	-	-	2.9	
128	-	-	-	-	-	2.1	

 39.4 ft							
 33.1 ft	 62.3 ft						
		0°	20°	40°	0°	20°	40°
ft		1,000 lb					
10		29.1	-	-	19.2	-	-
12		29.1	-	-	19.1	-	-
14		29.1	-	-	18.8	-	-
16		29.1	-	-	18.6	-	-
18		29.1	28.7	-	18.4	-	-
20		29.1	28.0	-	18.2	-	-
24		28.9	26.0	-	17.5	-	-
28		28.0	24.4	20.3	17.0	-	-
32		26.9	22.8	19.3	16.3	-	-
36		25.5	21.5	18.5	15.6	13.6	-
40		24.0	20.3	17.8	14.9	12.9	-
48		20.9	18.3	16.8	13.3	11.6	-
56		18.0	17.1	-	12.1	10.7	9.2
64		-	-	-	11.0	9.9	8.7
72		-	-	-	9.9	9.1	8.2
80		-	-	-	9.1	8.6	-

HAV-VA (HA50)

AC 100-4 (L)



DEMAG
A TEREX BRAND

54,000 lb			26.6 ft x 23.6 ft			360°			85%		
164.0 ft			148.3 ft			137.1 ft					
26.3 ft			26.3 ft			26.3 ft					
0° 0°			0° 0° 0° 20°			0° 0° 0° 20° 40°					
62.3 ft			62.3 ft			62.3 ft					
0° 20°			0° 20° 40° 0°			0° 20° 40° 0° 0°					
ft	1,000 lb		ft	1,000 lb		ft	1,000 lb				
56	4.9	-	48	6.6	-	48	8.7	-			
64	4.9	-	56	6.6	-	56	8.5	-			
72	4.9	-	64	6.6	-	64	8.2	-			
80	4.9	4.6	72	6.6	-	72	7.9	7.1			
88	4.9	4.6	80	6.6	6.2	80	7.5	6.8	6.1		
96	4.9	4.6	88	6.3	6.1	88	7.1	6.4	6.1	5.9	-
104	4.9	4.6	96	6.0	5.8	96	6.7	6.0	5.8	5.6	-
112	4.9	4.6	104	5.8	5.5	104	6.4	5.8	5.5	5.3	4.4
120	4.9	4.4	112	5.7	5.3	112	6.1	5.5	5.3	5.1	4.2
128	4.7	4.3	120	5.4	5.0	120	5.7	5.2	5.1	4.8	4.1
136	4.3	4.0	128	5.2	4.9	128	5.4	5.1	5.0	4.5	4.0
144	3.6	4.0	136	4.8	4.7	136	5.1	4.9	4.7	4.4	3.8
152	2.8	3.7	144	4.0	4.4	144	4.7	4.6	4.6	4.2	3.7
160	2.0	3.1	152	3.6	4.1	152	3.9	4.4	4.4	4.1	3.7
168	-	2.2	160	2.8	3.4	160	3.1	3.9	4.2	3.9	3.7
			168	2.2	2.9	168	2.4	3.1	3.6	3.3	3.3
			176	-	2.3	176	1.8	2.3	2.8	2.5	2.5

123.0 ft					
26.3 ft					
0° 0° 0° 20° 40°					
62.3 ft					
0° 20° 40° 0° 0°					
ft	1,000 lb				
40	10.5	-			
48	10.0	-			
56	9.5	-			
64	8.9	-			
72	8.4	7.5			
80	7.9	7.0	6.6	6.4	-
88	7.3	6.7	6.2	6.1	-
96	6.9	6.3	5.8	5.8	4.7
104	6.6	6.0	5.7	5.4	4.4
112	6.2	5.7	5.5	5.1	4.4
120	5.9	5.4	5.2	4.9	4.2
128	5.5	5.2	5.0	4.7	4.1
136	5.1	4.9	4.9	4.5	4.0
144	4.9	4.6	4.6	4.2	4.0
152	4.3	4.4	4.6	4.2	3.7
160	3.9	4.2	4.3	4.0	3.7
168	3.3	3.6	3.8	3.7	3.6
176	2.7	3.2	-	3.3	2.8
184	2.2	2.6	-	2.6	-

39.0 ft					
26.3 ft					
0° 0° 0° 20° 40°					
62.3 ft					
0° 20° 40° 0° 0°					
ft	1,000 lb				
16	16.4	-			
18	16.2	-			
20	16.0	-			
24	15.2	-			
28	14.4	-			
32	13.6	-			
36	12.8	-			
40	12.0	10.7			
48	10.5	9.6	-	8.8	-
56	9.4	8.6	-	7.9	-
64	8.4	7.7	7.2	7.2	-
72	7.3	7.1	6.6	6.4	-
80	6.7	6.3	6.1	5.9	5.2
88	6.0	5.8	5.8	5.3	4.8
96	5.5	5.2	5.4	4.9	4.5
104	4.9	4.9	-	4.7	4.4

42,500 lb			26.6 ft x 23.6 ft			360°			85%		
164.0 ft			148.3 ft			137.1 ft					
26.3 ft			26.3 ft			26.3 ft					
0° 0°			0° 0° 0° 20°			0° 0° 0° 20° 40°					
62.3 ft			62.3 ft			62.3 ft					
0° 20°			0° 20° 40° 0°			0° 20° 40° 0° 0°					
ft	1,000 lb		ft	1,000 lb		ft	1,000 lb				
56	4.9	-	48	6.6	-	48	8.7	-	-	-	-
64	4.9	-	56	6.6	-	56	8.5	-	-	-	-
72	4.9	-	64	6.6	-	64	8.2	-	-	-	-
80	4.9	4.6	72	6.6	-	72	7.9	7.1	-	-	-
88	4.9	4.6	80	6.6	6.2	80	7.5	6.8	-	6.1	-
96	4.9	4.6	88	6.3	6.1	88	7.1	6.4	6.1	5.9	-
104	4.9	4.6	96	6.0	5.8	96	6.7	6.0	5.8	5.6	-
112	4.9	4.6	104	5.8	5.5	104	6.4	5.8	5.5	5.3	4.4
120	4.6	4.4	112	5.7	5.3	112	6.1	5.5	5.3	5.1	4.2
128	3.5	4.3	120	5.0	5.0	120	5.7	5.2	5.1	4.8	4.1
136	2.6	3.9	128	4.6	4.9	128	5.1	5.1	5.0	4.5	4.0
144	1.8	2.9	136	3.8	4.4	136	4.0	4.7	4.7	4.4	3.8
152	-	2.1	144	2.9	4.0	144	3.1	4.0	4.6	4.2	3.7
			152	2.1	3.2	152	2.3	3.2	3.9	3.4	3.6
			160	-	2.4	160	-	2.4	3.1	2.6	2.8
						168	-	-	2.2	1.9	2.0

123.0 ft					
26.3 ft					
0° 0° 0° 20° 40°					
62.3 ft					
0° 20° 40° 0° 0°					
ft	1,000 lb				
40	10.5	-	-	-	-
48	10.0	-	-	-	-
56	9.5	-	-	-	-
64	8.9	-	-	-	-
72	8.4	7.5	-	-	-
80	7.9	7.0	6.6	6.4	-
88	7.3	6.7	6.2	6.1	-
96	6.9	6.3	5.8	5.8	4.7
104	6.6	6.0	5.7	5.4	4.4
112	6.2	5.7	5.5	5.1	4.4
120	5.8	5.4	5.2	4.9	4.2
128	5.3	5.2	5.0	4.7	4.1
136	4.9	4.9	4.9	4.5	4.0
144	4.0	4.4	4.6	4.2	4.0
152	3.2	4.1	4.3	3.9	3.7
160	2.6	3.3	3.7	3.5	3.3
168	1.9	2.6	2.9	2.7	2.5
176	-	1.9	-	2.1	-

39.0 ft					
26.3 ft					
0° 0° 0° 20° 40°					
62.3 ft					
0° 20° 40° 0° 0°					
ft	1,000 lb				
16	16.4	-	-	-	-
18	16.2	-	-	-	-
20	16.0	-	-	-	-
24	15.2	-	-	-	-
28	14.4	-	-	-	-
32	13.6	-	-	-	-
36	12.8	-	-	-	-
40	12.0	10.7	-	-	-
48	10.5	9.6	-	8.8	-
56	9.4	8.6	-	7.9	-
64	8.4	7.7	7.2	7.2	-
72	7.3	7.1	6.6	6.4	-
80	6.7	6.3	6.1	5.9	5.2
88	6.0	5.8	5.8	5.3	4.8
96	5.5	5.2	5.4	4.9	4.5
104	4.9	4.9	-	4.7	4.4

19,000 lb			26.6 ft x 23.6 ft			360°			85%		
164.0 ft			148.3 ft			137.1 ft					
26.3 ft			26.3 ft			26.3 ft					
0° 0°			0° 0° 0° 20°			0° 0° 0° 20° 40°					
62.3 ft			62.3 ft			62.3 ft					
0° 20°			0° 20° 40° 0°			0° 20° 40° 0° 0°					
ft	1,000 lb		ft	1,000 lb		ft	1,000 lb				
56	4.9	-	48	6.6	-	48	8.7	-			
64	4.9	-	56	6.6	-	56	8.5	-			
72	4.9	-	64	6.6	-	64	8.2	-			
80	4.9	4.6	72	6.6	-	72	7.9	7.1			
88	4.3	4.6	80	6.4	6.2	80	7.2	6.8	6.1	-	-
96	2.8	4.5	88	5.6	6.1	88	6.2	6.4	6.1	5.9	-
104	-	3.5	96	4.2	5.6	96	4.6	6.0	5.8	5.6	-
112	-	2.4	104	3.0	4.8	104	3.4	5.0	5.5	5.1	4.4
			112	-	3.5	112	2.4	3.9	5.2	4.3	4.2
			120	-	2.5	120	-	2.8	4.2	3.3	4.1
			128	-	-	128	-	1.9	3.1	2.4	3.5
						136	-	-	2.2	-	2.4

123.0 ft			39.0 ft		
26.3 ft			26.3 ft		
0° 0° 0° 20° 40°			0° 0° 0° 20° 40°		
62.3 ft			62.3 ft		
0° 20° 40° 0° 0°			0° 20° 40° 0° 0°		
ft	1,000 lb		ft	1,000 lb	
40	10.5	-	16	16.4	-
48	10.0	-	18	16.2	-
56	9.5	-	20	16.0	-
64	8.9	-	24	15.2	-
72	8.4	7.5	28	14.4	-
80	7.7	7.0	32	13.6	-
88	7.0	6.7	36	12.8	-
96	6.1	6.3	40	12.0	10.7
104	4.8	5.8	48	10.5	9.6
112	3.7	5.0	56	9.4	8.6
120	2.9	4.0	64	8.4	7.7
128	2.1	3.2	72	7.3	7.1
136	-	2.4	80	6.7	6.3
144	-	-	88	6.0	5.8
			96	5.5	5.2
			104	4.9	4.9

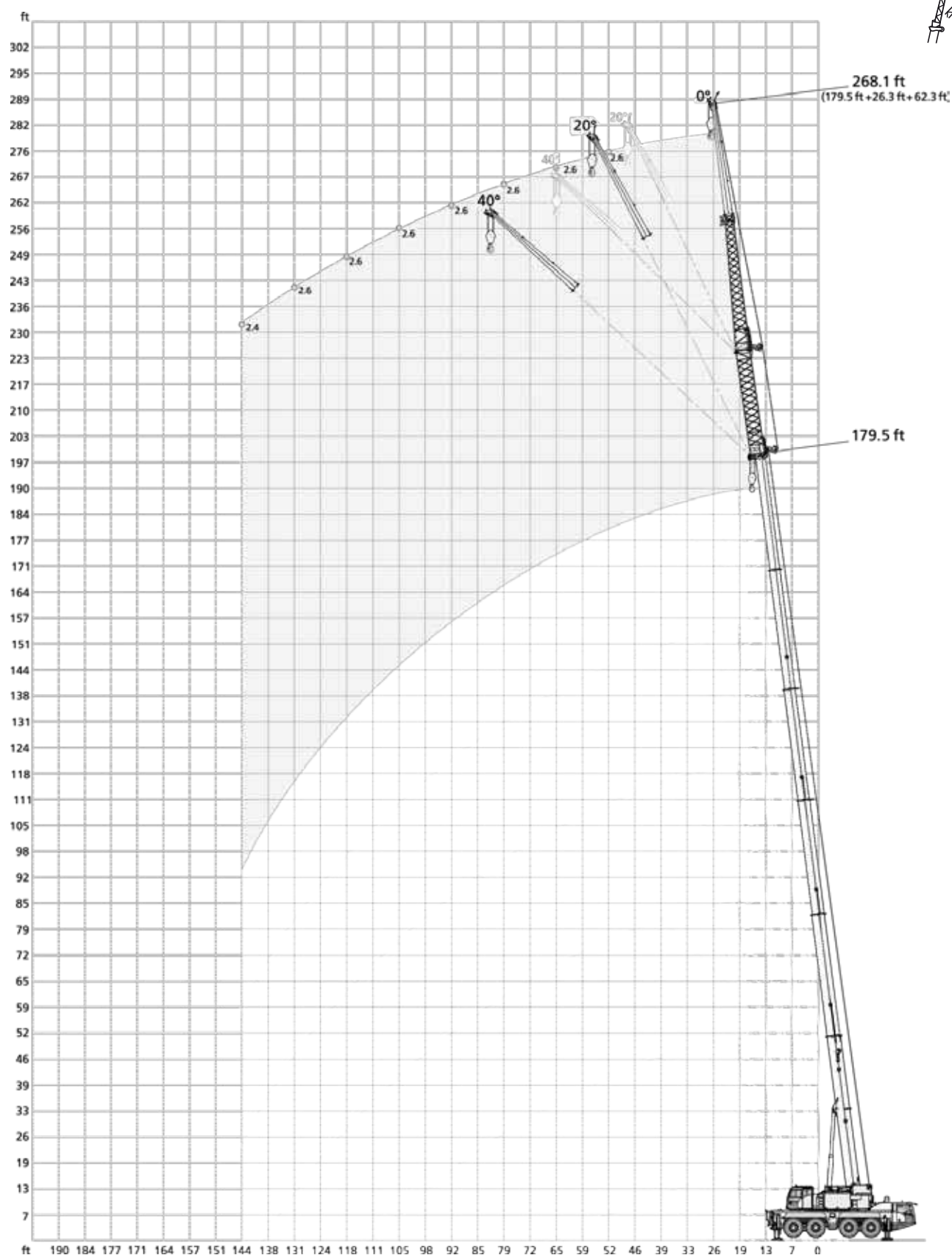
13,400 lb			26.6 ft x 23.6 ft			360°			85%		
164.0 ft			148.3 ft			137.1 ft					
26.3 ft			26.3 ft			26.3 ft					
0° 0°			0° 0° 0° 20°			0° 0° 0° 20° 40°					
62.3 ft			62.3 ft			62.3 ft					
0° 20°			0° 20° 40° 0°			0° 20° 40° 0° 0°					
ft	1,000 lb		ft	1,000 lb		ft	1,000 lb				
56	4.9	-	48	6.6	-	48	8.7	-	-	-	-
64	4.9	-	56	6.6	-	56	8.5	-	-	-	-
72	4.9	-	64	6.6	-	64	8.2	-	-	-	-
80	4.3	4.6	72	6.6	-	72	7.5	7.1	-	-	-
88	2.6	4.4	80	5.9	6.2	80	6.3	6.8	-	6.1	-
96	-	3.5	88	4.2	5.8	88	4.6	6.2	6.1	5.9	-
104	-	2.2	96	2.8	4.8	96	3.3	5.1	5.8	5.4	-
			104	1.7	3.5	104	2.1	3.9	5.3	4.4	4.4
			112	-	2.4	112	-	2.6	4.1	3.2	4.2
			120	-	-	120	-	-	3.1	2.2	3.5
						128	-	-	2.1	-	2.4

123.0 ft					
26.3 ft					
0° 0° 0° 20° 40°					
62.3 ft					
0° 20° 40° 0° 0°					
ft	1,000 lb				
40	10.5	-	-	-	-
48	10.0	-	-	-	-
56	9.5	-	-	-	-
64	8.9	-	-	-	-
72	8.4	7.5	-	-	-
80	7.4	7.0	6.6	6.4	-
88	6.3	6.5	6.2	6.1	-
96	4.8	6.0	5.8	5.6	4.7
104	3.7	5.0	5.5	5.3	4.4
112	2.6	3.9	5.2	4.3	4.4
120	-	2.9	4.2	3.3	4.0
128	-	2.1	3.1	2.5	3.1
136	-	-	2.2	-	2.0

39.0 ft					
26.3 ft					
0° 0° 0° 20° 40°					
62.3 ft					
0° 20° 40° 0° 0°					
ft	1,000 lb				
16	16.4	-	-	-	-
18	16.2	-	-	-	-
20	16.0	-	-	-	-
24	15.2	-	-	-	-
28	14.4	-	-	-	-
32	13.6	-	-	-	-
36	12.8	-	-	-	-
40	12.0	10.7	-	-	-
48	10.5	9.6	-	8.8	-
56	9.4	8.6	-	7.9	-
64	8.4	7.7	7.2	7.2	-
72	7.3	7.1	6.6	6.4	-
80	6.7	6.3	6.1	5.9	5.2
88	6.0	5.8	5.8	5.3	4.8
96	5.5	5.2	5.4	4.9	4.5
104	4.9	4.9	-	4.7	4.4

HAV-VA (HA60)

AC 100-4 (L)



DEMAG®
A TEREX BRAND

Courtesy of Crane.Market

54,000 lb			26.6 ft x 23.6 ft			360°			85%		
 179.5 ft			 165.4 ft			 151.6 ft					
 26.3 ft			 26.3 ft			 26.3 ft					
0° 0°			0° 0°			0° 0° 0° 20° 40°					
 62.3 ft			 62.3 ft			 62.3 ft					
0° 20°			0° 20°			0° 20° 40° 0° 0°					
ft	1,000 lb		ft	1,000 lb		ft	1,000 lb				
56	2.6	-	56	4.4	-	48	6.3	-	-	-	-
64	2.6	-	64	4.4	-	56	6.2	-	-	-	-
72	2.6	-	72	4.4	-	64	6.0	-	-	-	-
80	2.6	-	80	4.4	4.2	72	5.7	-	-	-	-
88	2.6	-	88	4.4	4.2	80	5.7	5.7	-	-	-
96	2.6	-	96	4.3	4.2	88	5.5	5.6	-	5.4	-
104	2.6	-	104	4.2	4.2	96	5.4	5.4	5.5	5.2	-
112	2.6	-	112	4.2	4.2	104	5.1	5.3	5.3	4.9	-
120	2.6	-	120	4.1	4.1	112	5.1	5.1	5.1	4.8	-
128	2.6	-	128	3.9	4.0	120	4.8	5.0	5.0	4.6	-
136	2.6	-	136	3.6	4.0	128	4.5	4.7	4.7	4.4	-
144	2.4	-	144	2.9	3.8	136	3.9	4.5	4.6	4.2	-
			152	2.6	3.2	144	3.5	4.2	4.4	4.0	-
			160	2.0	2.4	152	3.1	3.7	3.9	3.6	-
						160	2.6	3.0	3.1	2.6	-
						168	2.2	2.2	2.2	1.8	-
						176	1.6	-	-	-	-

 137.5 ft			 123.4 ft			 39.4 ft		
 26.3 ft			 26.3 ft			 26.3 ft		
0° 0° 0° 20° 40°			0° 0° 0° 20° 40°			0° 0° 0° 20° 40°		
 62.3 ft			 62.3 ft			 62.3 ft		
0° 20° 40° 0° 0°			0° 20° 40° 0° 0°			0° 20° 40° 0° 0°		
ft	1,000 lb		ft	1,000 lb		ft	1,000 lb	
48	7.4	-	40	8.8	-	16	15.9	-
56	7.2	-	48	8.5	-	18	15.8	-
64	6.9	-	56	8.0	-	20	15.6	-
72	6.8	6.8	64	7.8	-	24	14.8	-
80	6.6	6.6	72	7.5	7.3	28	14.1	-
88	6.3	6.3	80	7.2	7.0	32	13.4	-
96	6.0	6.0	88	7.0	6.5	36	12.6	-
104	5.8	5.8	96	6.7	6.3	40	11.8	10.7
112	5.7	5.5	104	6.4	6.0	48	10.3	9.4
120	5.4	5.2	112	5.9	5.5	56	9.2	8.5
128	5.1	5.0	120	5.7	5.4	64	8.2	7.7
136	4.5	4.9	128	5.4	5.2	72	7.3	6.9
144	3.8	4.4	136	5.0	4.9	80	6.7	6.3
152	3.3	3.9	144	4.2	4.6	88	6.0	5.8
160	2.9	3.1	152	3.9	4.1	96	5.5	5.2
168	2.4	2.7	160	3.1	3.7	104	4.9	4.9
176	2.0	2.3	168	2.7	3.1			
			176	2.5	2.7			
			184	2.2	2.2			

42,500 lb			26.6 ft x 23.6 ft			360°			85%		
 179.5 ft			 165.4 ft			 151.6 ft					
 26.3 ft			 26.3 ft			 26.3 ft					
0° 0°			0° 0°			0° 0° 0° 20° 40°					
 62.3 ft			 62.3 ft			 62.3 ft					
0° 20°			0° 20°			0° 20° 40° 0° 0°					
ft	1,000 lb		ft	1,000 lb		ft	1,000 lb				
56	2.6	-	56	4.4	-	48	6.3	-	-	-	-
64	2.6	-	64	4.4	-	56	6.2	-	-	-	-
72	2.6	-	72	4.4	-	64	6.0	-	-	-	-
80	2.6	-	80	4.4	4.2	72	5.7	-	-	-	-
88	2.6	-	88	4.4	4.2	80	5.7	5.7	-	-	-
96	2.6	-	96	4.3	4.2	88	5.5	5.6	-	5.4	-
104	2.6	-	104	4.2	4.2	96	5.4	5.4	5.5	5.2	-
112	2.6	-	112	4.2	4.2	104	5.1	5.3	5.3	4.9	-
120	2.6	-	120	3.7	4.1	112	5.0	5.1	5.1	4.8	-
128	2.6	-	128	3.2	3.9	120	4.3	5.0	5.0	4.6	-
			136	2.6	3.1	128	3.7	4.5	4.7	4.4	-
			144	1.8	2.2	136	3.4	4.1	4.5	3.9	-
						144	3.1	3.1	3.6	2.9	-
						152	2.3	2.3	2.5	-	-

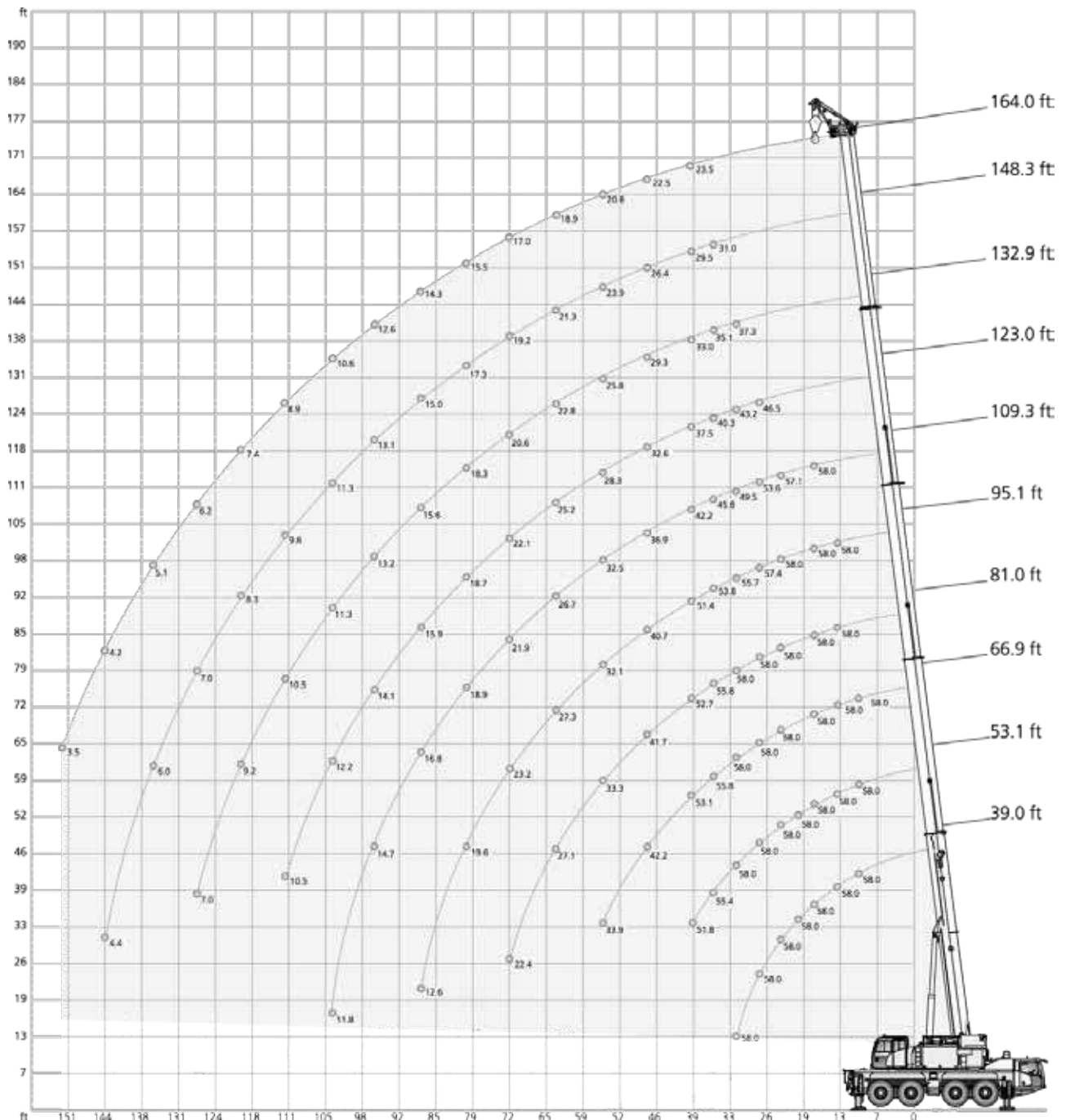
 137.5 ft			 123.4 ft			 39.4 ft		
 26.3 ft			 26.3 ft			 26.3 ft		
0° 0° 0° 20° 40°			0° 0° 0° 20° 40°			0° 0° 0° 20° 40°		
 62.3 ft			 62.3 ft			 62.3 ft		
0° 20° 40° 0° 0°			0° 20° 40° 0° 0°			0° 20° 40° 0° 0°		
ft	1,000 lb		ft	1,000 lb		ft	1,000 lb	
48	7.4	-	40	8.8	-	16	15.9	-
56	7.2	-	48	8.5	-	18	15.8	-
64	6.9	-	56	8.0	-	20	15.6	-
72	6.8	6.8	64	7.8	-	24	14.8	-
80	6.6	6.6	72	7.5	7.3	28	14.1	-
88	6.3	6.3	80	7.2	7.0	32	13.4	-
96	6.0	6.0	88	7.0	6.5	36	12.6	-
104	5.8	5.8	96	6.7	6.3	40	11.8	10.7
112	5.7	5.5	104	6.4	6.0	48	10.3	9.4
120	5.0	5.2	112	5.9	5.5	56	9.2	8.5
128	4.3	5.0	120	5.5	5.4	64	8.2	7.7
136	3.9	4.2	128	5.0	5.1	72	7.3	6.9
144	3.1	3.8	136	4.2	4.7	80	6.7	6.3
152	2.8	3.2	144	3.8	4.2	88	6.0	5.8
160	2.3	2.4	152	3.0	3.5	96	5.5	5.2
			160	2.7	3.1	104	4.9	4.9
			168	2.2	2.2			
			176	1.8	-			

19,000 lb			26.6 ft x 23.6 ft			360°			85 %		
 179.5 ft			 165.4 ft			 151.6 ft					
 26.3 ft 0° 0° 62.3 ft 0° 20°			 26.3 ft 0° 0° 62.3 ft 0° 20°			 26.3 ft 0° 0° 0° 20° 40° 62.3 ft 0° 20° 40° 0° 0°					
ft 1,000 lb			ft 1,000 lb			ft 1,000 lb					
56	2.6	-	56	4.4	-	48	6.3	-	-	-	-
64	2.6	-	64	4.4	-	56	6.2	-	-	-	-
72	2.6	-	72	4.4	-	64	6.0	-	-	-	-
80	2.6	-	80	4.3	4.2	72	5.7	-	-	-	-
88	2.6	-	88	3.5	4.2	80	5.5	5.7	-	-	-
			96	3.0	4.0	88	4.6	5.6	-	5.4	-
			104	1.7	3.0	96	4.3	4.9	5.5	5.2	-
						104	3.3	3.9	5.1	4.1	-
						112	-	2.8	3.9	2.8	-
						120	-	-	2.6	-	-

137.5 ft			123.4 ft			39.4 ft		
								
26.3 ft 0° 0° 0° 20° 40° 62.3 ft 0° 20° 40° 0° 0°			26.3 ft 0° 0° 0° 20° 40° 62.3 ft 0° 20° 40° 0° 0°			26.3 ft 0° 0° 0° 20° 40° 62.3 ft 0° 20° 40° 0° 0°		
ft	1,000 lb		ft	1,000 lb		ft	1,000 lb	
48	7.4	-	40	8.8	-	16	15.9	-
56	7.2	-	48	8.5	-	18	15.8	-
64	6.9	-	56	8.0	-	20	15.6	-
72	6.8	6.8	64	7.8	-	24	14.8	-
80	6.4	6.6	72	7.5	7.3	28	14.1	-
88	5.6	6.3	80	7.1	7.0	32	13.4	-
96	4.8	5.6	88	6.4	6.5	36	12.6	-
104	4.3	5.1	96	5.8	6.3	40	11.8	10.7
112	3.3	4.1	104	4.9	5.6	48	10.3	9.4
120	2.5	3.1	112	4.4	5.0	56	9.2	8.5
128	-	2.1	120	3.6	3.9	64	8.2	7.7
136	-	-	128	2.6	3.0	72	7.3	6.9
			136	1.9	2.2	80	6.7	6.3
						88	6.0	5.8
						96	5.5	5.2
						104	4.9	4.9

13,400 lb			26.6 ft x 23.6 ft			360°			85%		
179.5 ft			165.4 ft			151.6 ft					
26.3 ft			26.3 ft			26.3 ft					
0° 0°			0° 0°			0° 0° 0° 20° 40°					
62.3 ft			62.3 ft			62.3 ft					
0° 20°			0° 20°			0° 20° 40° 0° 0°					
ft	1,000 lb		ft	1,000 lb		ft	1,000 lb				
56	2.6	-	56	4.4	-	48	6.3	-	-	-	-
64	2.6	-	64	4.4	-	56	6.2	-	-	-	-
72	2.6	-	72	4.4	-	64	6.0	-	-	-	-
80	2.6	-	80	3.5	-	72	5.7	-	-	-	-
			88	2.9	-	80	4.8	5.7	-	-	-
						88	4.1	5.1	-	5.3	-
						96	3.2	4.0	5.2	4.2	-
						104	2.1	2.6	3.9	2.8	-
						112	-	-	2.6	-	-

137.5 ft			123.4 ft			39.4 ft		
26.3 ft			26.3 ft			26.3 ft		
0° 0° 0° 20° 40°			0° 0° 0° 20° 40°			0° 0° 0° 20° 40°		
62.3 ft			62.3 ft			62.3 ft		
0° 20° 40° 0° 0°			0° 20° 40° 0° 0°			0° 20° 40° 0° 0°		
ft	1,000 lb		ft	1,000 lb		ft	1,000 lb	
48	7.4	-	40	8.8	-	16	15.9	-
56	7.2	-	48	8.5	-	18	15.8	-
64	6.9	-	56	8.0	-	20	15.6	-
72	6.8	6.8	64	7.8	-	24	14.8	-
80	5.9	6.6	72	7.5	7.3	28	14.1	-
88	5.0	5.9	80	6.7	7.0	32	13.4	-
96	4.3	5.2	88	5.9	6.3	36	12.6	-
104	3.2	4.1	96	5.0	5.8	40	11.8	10.7
112	-	2.8	104	4.3	5.0	48	10.3	9.4
120	-	-	112	3.3	3.9	56	9.2	8.5
128	-	-	120	2.5	2.8	64	8.2	7.7
			128	-	1.9	72	7.3	6.9
						80	6.7	6.3
						88	6.0	5.8
						96	5.5	5.2
						104	4.9	4.9



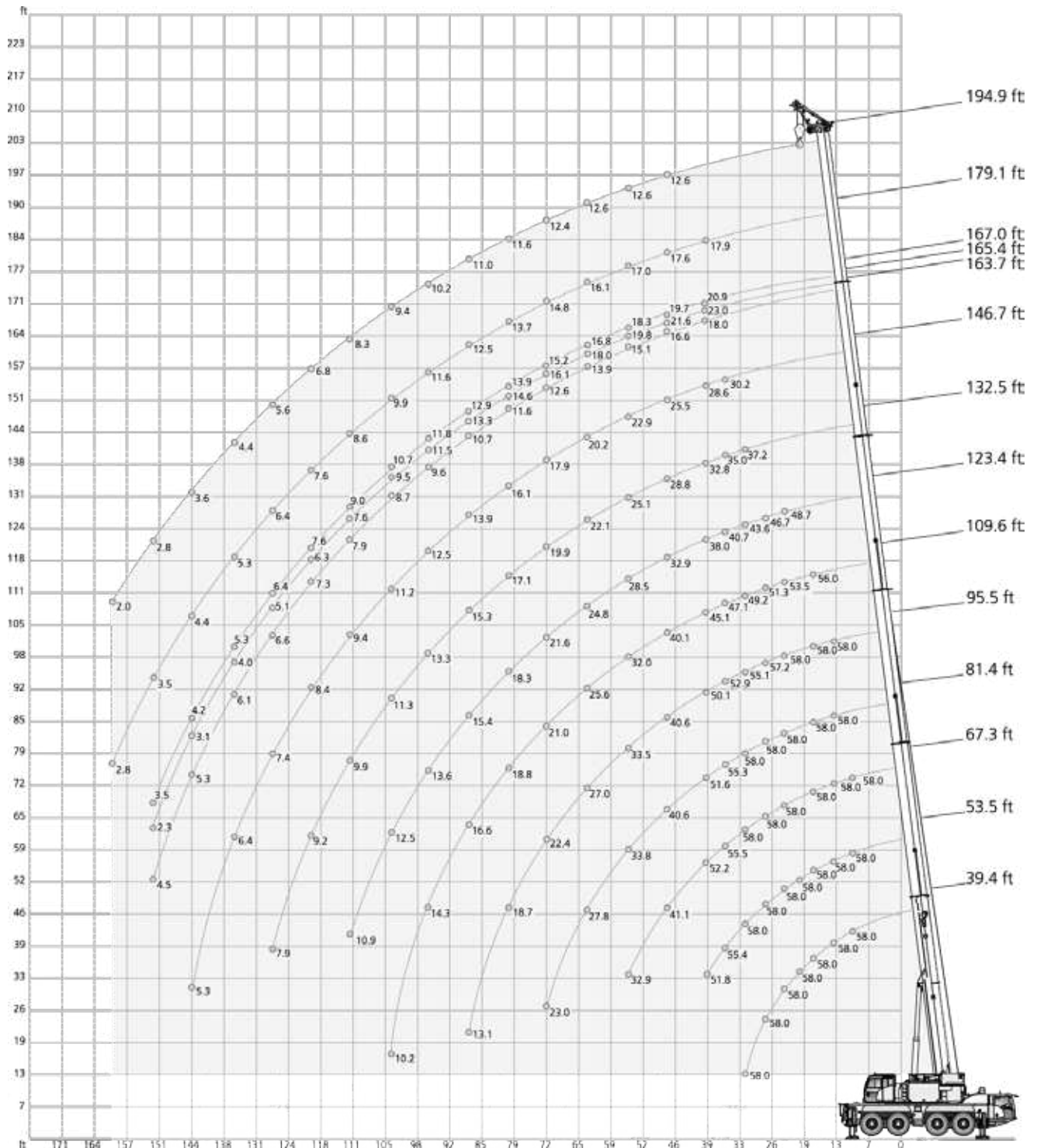
 54,000 lb		 26.6 ft x 23.6 ft		360°		85 %					
 	39.0 ft	53.1 ft	66.9 ft	81.0 ft	95.1 ft	109.3 ft	123.0 ft	132.9 ft	148.3 ft	164.0 ft	
ft	1,000 lb										ft
10	58.0	58.0	58.0	-	-	-	-	-	-	-	10
12	58.0	58.0	58.0	58.0	-	-	-	-	-	-	12
14	58.0	58.0	58.0	58.0	-	-	-	-	-	-	14
16	58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	16
18	58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	18
20	58.0	58.0	58.0	58.0	58.0	58.0	-	-	-	-	20
24	58.0	58.0	58.0	58.0	58.0	57.1	-	-	-	-	24
28	58.0	58.0	58.0	58.0	57.4	53.6	46.5	-	-	-	28
32	58.0	58.0	58.0	58.0	55.7	49.5	43.2	37.3	-	-	32
36	-	55.4	55.8	55.8	53.8	45.8	40.3	35.1	31.0	-	36
40	-	51.8	53.1	52.7	51.4	42.2	37.5	33.0	29.5	23.5	40
48	-	-	42.2	41.7	40.7	36.9	32.6	29.3	26.4	22.5	48
56	-	-	33.9	33.3	32.1	32.5	28.3	25.8	23.9	20.8	56
64	-	-	16.5	27.1	27.3	26.7	25.2	22.8	21.3	18.9	64
72	-	-	-	22.4	23.2	21.9	22.1	20.6	19.2	17.0	72
80	-	-	-	-	19.6	18.9	18.7	18.3	17.3	15.5	80
88	-	-	-	-	12.6	16.8	15.9	15.6	15.0	14.3	88
96	-	-	-	-	-	14.7	14.1	13.2	13.1	12.6	96
104	-	-	-	-	-	11.8	12.2	11.3	11.3	10.6	104
112	-	-	-	-	-	-	10.5	10.5	9.6	8.9	112
120	-	-	-	-	-	-	-	9.2	8.3	7.4	120
128	-	-	-	-	-	-	-	7.0	7.0	6.2	128
136	-	-	-	-	-	-	-	-	6.0	5.1	136
144	-	-	-	-	-	-	-	-	4.4	4.2	144
152	-	-	-	-	-	-	-	-	-	3.5	152

 42,500 lb		 26.6 ft x 23.6 ft		360°								85 %	
 ft	 39.0 ft	53.1 ft	66.9 ft	81.0 ft	95.1 ft	109.3 ft	123.0 ft	132.9 ft	148.3 ft	164.0 ft	 ft		
1,000 lb													
10	58.0	58.0	58.0	-	-	-	-	-	-	-	10		
12	58.0	58.0	58.0	58.0	-	-	-	-	-	-	12		
14	58.0	58.0	58.0	58.0	-	-	-	-	-	-	14		
16	58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	16		
18	58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	18		
20	58.0	58.0	58.0	58.0	58.0	58.0	-	-	-	-	20		
24	58.0	58.0	58.0	58.0	58.0	57.1	-	-	-	-	24		
28	58.0	58.0	58.0	58.0	57.4	53.6	46.5	-	-	-	28		
32	58.0	58.0	58.0	58.0	55.7	49.5	43.2	37.3	-	-	32		
36	-	53.6	54.1	54.1	52.1	45.8	40.3	35.1	31.0	-	36		
40	-	47.9	49.5	49.0	47.7	42.2	37.5	33.0	29.5	23.5	40		
48	-	-	37.5	37.0	35.6	35.8	32.6	29.3	26.4	22.5	48		
56	-	-	29.5	29.0	29.6	28.7	27.6	25.8	23.9	20.8	56		
64	-	-	16.5	24.2	24.2	23.3	23.3	22.3	21.3	18.9	64		
72	-	-	-	20.6	19.9	19.9	19.0	18.8	18.1	17.0	72		
80	-	-	-	-	17.3	16.8	16.6	15.6	15.5	15.0	80		
88	-	-	-	-	12.6	14.3	14.0	13.6	13.1	12.3	88		
96	-	-	-	-	-	12.4	11.8	11.8	10.9	10.1	96		
104	-	-	-	-	-	10.6	9.9	10.1	9.1	8.4	104		
112	-	-	-	-	-	-	8.5	8.5	7.6	6.8	112		
120	-	-	-	-	-	-	-	7.2	6.4	5.5	120		
128	-	-	-	-	-	-	-	5.2	5.3	4.4	128		
136	-	-	-	-	-	-	-	-	4.4	3.5	136		
144	-	-	-	-	-	-	-	-	2.7	2.7	144		
152	-	-	-	-	-	-	-	-	-	1.9	152		

 19,000 lb		 26.6 ft x 23.6 ft				360°					85 %	
 	39.0 ft	53.1 ft	66.9 ft	81.0 ft	95.1 ft	109.3 ft	123.0 ft	132.9 ft	148.3 ft	164.0 ft		
ft	1,000 lb										ft	
10	58.0	58.0	58.0	-	-	-	-	-	-	-	10	
12	58.0	58.0	58.0	58.0	-	-	-	-	-	-	12	
14	58.0	58.0	58.0	58.0	-	-	-	-	-	-	14	
16	58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	16	
18	58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	18	
20	58.0	58.0	58.0	58.0	58.0	58.0	-	-	-	-	20	
24	58.0	58.0	58.0	58.0	58.0	57.1	-	-	-	-	24	
28	57.0	58.0	58.0	58.0	55.7	52.7	46.5	-	-	-	28	
32	48.9	51.5	52.0	51.5	48.5	46.8	42.7	37.3	-	-	32	
36	-	43.1	43.6	43.1	41.4	41.0	37.3	34.4	31.0	-	36	
40	-	35.6	36.0	36.5	36.5	35.2	34.4	31.1	29.3	23.5	40	
48	-	-	27.7	27.7	27.3	27.3	26.6	25.1	23.6	21.9	48	
56	-	-	21.5	21.5	21.7	21.0	20.7	20.3	19.4	17.7	56	
64	-	-	16.5	17.1	17.1	16.7	16.2	16.2	15.3	13.8	64	
72	-	-	-	14.0	14.0	13.3	12.9	12.9	11.8	10.6	72	
80	-	-	-	-	11.3	10.9	10.2	10.2	9.3	8.3	80	
88	-	-	-	-	9.3	8.7	8.2	8.2	7.2	6.4	88	
96	-	-	-	-	-	7.1	6.4	6.4	5.6	4.7	96	
104	-	-	-	-	-	5.7	5.0	5.0	4.1	3.3	104	
112	-	-	-	-	-	-	3.9	3.9	3.0	-	112	
120	-	-	-	-	-	-	-	3.1	2.0	-	120	

 13,400 lb		 26.6 ft x 23.6 ft		360°								85 %	
		39.0 ft	53.1 ft	66.9 ft	81.0 ft	95.1 ft	109.3 ft	123.0 ft	132.9 ft	148.3 ft	164.0 ft		
ft	1,000 lb											ft	
10		58.0	58.0	58.0	-	-	-	-	-	-	-	10	
12		58.0	58.0	58.0	58.0	-	-	-	-	-	-	12	
14		58.0	58.0	58.0	58.0	-	-	-	-	-	-	14	
16		58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	16	
18		58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	18	
20		58.0	58.0	58.0	58.0	58.0	58.0	-	-	-	-	20	
24		58.0	58.0	58.0	58.0	57.8	56.7	-	-	-	-	24	
28		54.6	56.1	56.5	55.6	53.1	50.2	45.8	-	-	-	28	
32		44.8	47.6	48.1	47.4	45.9	43.6	40.1	37.3	-	-	32	
36		-	39.5	40.0	39.5	39.7	37.4	35.4	32.5	30.1	-	36	
40		-	32.5	33.5	34.1	33.4	33.4	31.0	29.4	27.4	23.4	40	
48		-	-	25.2	25.3	25.4	24.7	24.3	23.4	21.9	20.0	48	
56		-	-	19.1	19.5	19.4	19.0	18.4	18.4	17.0	15.3	56	
64		-	-	15.1	15.3	15.3	14.9	14.2	14.2	13.1	11.7	64	
72		-	-	-	12.2	12.2	11.7	11.1	11.1	10.0	8.7	72	
80		-	-	-	-	9.8	9.2	8.7	8.7	7.6	6.5	80	
88		-	-	-	-	7.8	7.4	6.7	6.7	5.8	4.8	88	
96		-	-	-	-	-	5.8	5.3	5.3	4.2	3.5	96	
104		-	-	-	-	-	4.5	3.9	3.9	3.0	2.2	104	
112		-	-	-	-	-	-	2.8	2.8	-	-	112	
120		-	-	-	-	-	-	-	2.0	-	-	120	

 9,500 lb		 26.6 ft x 23.6 ft		360°								85 %	
		39.0 ft	53.1 ft	66.9 ft	81.0 ft	95.1 ft	109.3 ft	123.0 ft	132.9 ft	148.3 ft	164.0 ft		
ft	1,000 lb										ft		
10	58.0	58.0	58.0	-	-	-	-	-	-	-	-	10	
12	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	12	
14	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	14	
16	58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	-	16	
18	58.0	58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	18	
20	58.0	58.0	58.0	58.0	58.0	58.0	58.0	-	-	-	-	20	
24	58.0	58.0	58.0	58.0	56.7	55.6	-	-	-	-	-	24	
28	52.7	54.2	54.6	53.9	50.4	48.5	43.9	-	-	-	-	28	
32	41.6	44.4	45.1	44.3	44.0	40.5	38.3	34.8	-	-	-	32	
36	-	36.8	37.3	37.3	37.4	35.0	33.2	30.9	28.9	-	-	36	
40	-	30.1	31.7	31.7	31.3	31.0	29.2	26.9	25.9	23.2	-	40	
48	-	-	23.0	23.2	23.2	22.8	22.1	21.8	19.6	17.9	-	48	
56	-	-	17.4	17.7	17.8	17.2	16.7	16.7	15.1	13.4	-	56	
64	-	-	13.7	13.7	13.9	13.3	12.7	12.8	11.5	9.9	-	64	
72	-	-	-	10.9	10.9	10.4	9.8	9.8	8.7	7.3	-	72	
80	-	-	-	-	8.7	8.1	7.4	7.4	6.5	5.3	-	80	
88	-	-	-	-	6.8	6.3	5.6	5.6	4.7	3.7	-	88	
96	-	-	-	-	-	4.8	4.2	4.3	3.3	2.4	-	96	
104	-	-	-	-	-	3.7	3.0	3.0	2.1	-	-	104	



 54,000 lb		 26.6 ft x 23.6 ft		360°		85 %									
 	(ft)														
ft	39.4	53.5	67.3	81.4	95.5	109.6	123.4	132.5	146.7	163.7	165.4	167.0	179.1	194.9	ft
	1,000 lb														
10	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	-	10
12	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	12
14	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	14
16	58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	16
18	58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	18
20	58.0	58.0	58.0	58.0	58.0	56.0	-	-	-	-	-	-	-	-	20
24	58.0	58.0	58.0	58.0	58.0	53.5	48.7	-	-	-	-	-	-	-	24
28	58.0	58.0	58.0	58.0	57.2	51.3	46.7	-	-	-	-	-	-	-	28
32	58.0	58.0	58.0	58.0	55.1	49.2	43.6	37.2	-	-	-	-	-	-	32
36	-	55.4	55.5	55.3	52.9	47.1	40.7	35.0	30.2	-	-	-	-	-	36
40	-	51.8	52.2	51.6	50.1	45.1	38.0	32.8	28.6	18.0	23.0	20.9	17.9	-	40
48	-	-	41.1	40.6	40.6	40.1	32.9	28.8	25.5	16.6	21.6	19.7	17.6	12.6	48
56	-	-	32.9	33.8	33.5	32.0	28.5	25.1	22.9	15.1	19.8	18.3	17.0	12.6	56
64	-	-	-	27.8	27.0	25.6	24.8	22.1	20.2	13.9	18.0	16.8	16.1	12.6	64
72	-	-	-	23.0	22.4	21.0	21.6	19.9	17.9	12.6	16.1	15.2	14.8	12.4	72
80	-	-	-	-	18.7	18.8	18.3	17.1	16.1	11.6	14.6	13.9	13.7	11.6	80
88	-	-	-	-	13.1	16.6	15.4	15.3	13.9	10.7	13.3	12.9	12.5	11.0	88
96	-	-	-	-	-	14.3	13.6	13.3	12.5	9.6	11.5	11.8	11.6	10.2	96
104	-	-	-	-	-	10.2	12.5	11.3	11.2	8.7	9.5	10.7	9.9	9.4	104
112	-	-	-	-	-	-	10.9	9.9	9.4	7.9	7.6	9.0	8.6	8.3	112
120	-	-	-	-	-	-	-	9.2	8.4	7.3	6.3	7.6	7.6	6.8	120
128	-	-	-	-	-	-	-	7.9	7.4	6.6	5.1	6.4	6.4	5.6	128
136	-	-	-	-	-	-	-	-	6.4	6.1	4.0	5.3	5.3	4.4	136
144	-	-	-	-	-	-	-	-	5.3	5.3	3.1	4.2	4.4	3.6	144
152	-	-	-	-	-	-	-	-	-	4.6	2.3	3.5	3.5	2.8	152
160	-	-	-	-	-	-	-	-	-	-	-	-	2.8	2.0	160

 42,500 lb		 26.6 ft x 23.6 ft		360°		85 %											
 	39.4	53.5	67.3	81.4	95.5	109.6	(ft)		123.4	132.5	146.7	163.7	165.4	167.0	179.1	194.9	
ft	1,000 lb																ft
10	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	-	-	-	10
12	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	-	-	12
14	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	-	-	14
16	58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	-	16
18	58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	-	18
20	58.0	58.0	58.0	58.0	58.0	56.0	-	-	-	-	-	-	-	-	-	-	20
24	58.0	58.0	58.0	58.0	58.0	53.5	48.7	-	-	-	-	-	-	-	-	-	24
28	58.0	58.0	58.0	58.0	57.2	51.3	46.7	-	-	-	-	-	-	-	-	-	28
32	58.0	58.0	58.0	58.0	55.1	49.2	43.6	37.2	-	-	-	-	-	-	-	-	32
36	-	53.8	53.8	53.6	51.2	47.1	40.7	35.0	30.2	-	-	-	-	-	-	-	36
40	-	48.4	48.6	47.9	46.6	44.7	38.0	32.8	28.6	18.0	23.0	20.9	17.9	-	-	-	40
48	-	-	36.7	37.2	37.3	35.8	32.8	28.8	25.5	16.6	21.6	19.7	17.6	12.6	-	-	48
56	-	-	30.0	29.9	29.0	27.7	26.8	25.1	22.9	15.1	19.8	18.3	17.0	12.6	-	-	56
64	-	-	-	24.0	23.3	22.6	22.5	21.2	20.2	13.9	18.0	16.8	16.1	12.6	-	-	64
72	-	-	-	19.7	19.0	19.9	18.6	18.3	16.8	12.6	16.1	15.2	14.8	12.4	-	-	72
80	-	-	-	-	17.3	16.6	15.8	15.7	14.8	11.6	13.9	13.9	13.6	11.6	-	-	80
88	-	-	-	-	10.6	14.0	14.3	13.1	13.1	10.7	11.2	12.5	11.8	11.0	-	-	88
96	-	-	-	-	-	12.2	12.1	11.6	11.1	9.6	9.0	10.4	10.0	9.6	-	-	96
104	-	-	-	-	-	7.7	10.3	10.1	9.5	8.7	7.3	8.6	8.6	7.7	-	-	104
112	-	-	-	-	-	-	9.2	8.5	8.1	7.9	5.7	7.0	7.0	6.1	-	-	112
120	-	-	-	-	-	-	-	7.2	7.1	6.7	4.4	5.7	5.7	4.8	-	-	120
128	-	-	-	-	-	-	-	6.2	6.2	5.5	3.3	4.6	4.6	3.7	-	-	128
136	-	-	-	-	-	-	-	-	5.3	4.6	2.4	3.5	3.5	2.8	-	-	136
144	-	-	-	-	-	-	-	-	3.8	3.8	-	2.7	2.7	2.0	-	-	144
152	-	-	-	-	-	-	-	-	-	3.0	-	2.1	2.1	-	-	-	152

 19,000 lb		 26.6 ft x 23.6 ft		360°		85 %												
 ft		39.4	53.5	67.3	81.4	95.5	109.6	(ft)		123.4	132.5	146.7	163.7	165.4	167.0	179.1	194.9	 ft
1,000 lb																		
10		58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	-	-	-	10
12		58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	-	-	12
14		58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	-	-	14
16		58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	-	16
18		58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	-	18
20		58.0	58.0	58.0	58.0	58.0	56.0	-	-	-	-	-	-	-	-	-	-	20
24		58.0	58.0	58.0	58.0	58.0	53.5	48.7	-	-	-	-	-	-	-	-	-	24
28		57.3	58.0	58.0	57.6	55.0	51.3	46.7	-	-	-	-	-	-	-	-	-	28
32		49.3	51.3	51.5	50.7	49.9	46.3	43.0	37.2	-	-	-	-	-	-	-	-	32
36		-	42.7	42.9	42.3	43.2	40.0	37.4	33.9	30.2	-	-	-	-	-	-	-	36
40		-	35.1	37.1	36.9	36.0	35.0	32.4	30.2	28.4	18.0	23.0	20.9	17.9	-	-	-	40
48		-	-	27.5	27.3	26.6	26.6	26.1	24.1	22.3	16.6	20.9	19.7	17.6	12.6	-	-	48
56		-	-	21.2	21.0	21.5	21.2	20.5	20.1	18.9	15.1	16.6	17.8	16.1	12.6	-	-	56
64		-	-	-	17.5	17.3	17.2	16.9	16.4	15.9	13.9	12.8	14.4	13.6	11.7	-	-	64
72		-	-	-	14.2	14.4	14.2	14.0	13.3	12.6	12.4	9.8	11.1	10.7	9.1	-	-	72
80		-	-	-	-	12.0	11.5	11.3	10.5	10.7	9.8	7.2	8.7	8.3	6.9	-	-	80
88		-	-	-	-	8.1	9.4	9.1	9.2	8.5	7.7	5.3	6.6	6.4	5.0	-	-	88
96		-	-	-	-	-	7.8	7.3	7.5	6.8	6.0	3.6	5.0	4.8	3.5	-	-	96
104		-	-	-	-	-	6.3	5.9	6.1	5.3	4.6	2.2	3.7	3.7	2.3	-	-	104
112		-	-	-	-	-	-	4.8	4.8	4.1	3.5	-	2.4	2.4	-	-	-	112
120		-	-	-	-	-	-	-	3.9	3.1	2.5	-	-	-	-	-	-	120
128		-	-	-	-	-	-	-	2.3	2.3	-	-	-	-	-	-	-	128

 13,400 lb		 26.6 ft x 23.6 ft		360°												85 %				
		39.4	53.5	67.3	81.4	95.5	109.6	(ft)				123.4	132.5	146.7	163.7	165.4	167.0	179.1	194.9	
ft		1,000 lb																	ft	
10		58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
12		58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
14		58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14
16		58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	-	-	-	16
18		58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	-	-	-	18
20		58.0	58.0	58.0	58.0	58.0	56.0	-	-	-	-	-	-	-	-	-	-	-	-	20
24		58.0	58.0	58.0	58.0	57.5	53.5	48.7	-	-	-	-	-	-	-	-	-	-	-	24
28		54.8	56.1	56.2	55.2	53.0	49.7	46.0	-	-	-	-	-	-	-	-	-	-	-	28
32		45.2	47.5	47.7	47.4	46.7	42.6	39.8	36.7	-	-	-	-	-	-	-	-	-	-	32
36		-	39.2	39.4	40.8	39.5	36.8	34.2	31.9	29.1	-	-	-	-	-	-	-	-	-	36
40		-	33.0	33.9	33.9	33.0	32.8	30.3	27.8	25.9	18.0	22.9	20.9	17.9	-	-	-	-	-	40
48		-	-	24.9	24.9	25.3	25.1	24.0	22.9	20.8	16.6	19.0	19.4	17.4	12.6	-	-	-	-	48
56		-	-	18.9	19.6	19.8	19.3	19.1	18.4	17.8	15.1	14.3	16.0	14.5	12.3	-	-	-	-	56
64		-	-	-	15.8	15.7	15.8	15.4	14.9	14.0	13.2	10.6	12.2	11.7	10.1	-	-	-	-	64
72		-	-	-	12.6	12.9	12.4	12.2	11.7	11.5	10.4	7.8	9.1	8.9	7.3	-	-	-	-	72
80		-	-	-	-	10.3	10.0	9.6	9.8	9.1	8.3	5.5	7.0	6.6	5.2	-	-	-	-	80
88		-	-	-	-	8.1	8.2	7.7	7.8	7.1	6.4	3.9	5.2	5.0	3.5	-	-	-	-	88
96		-	-	-	-	-	6.6	6.1	6.2	5.5	4.8	2.4	3.7	3.5	2.2	-	-	-	-	96
104		-	-	-	-	-	5.2	4.8	4.8	4.1	3.5	-	2.4	2.3	-	-	-	-	-	104
112		-	-	-	-	-	-	3.7	3.7	3.0	2.4	-	-	-	-	-	-	-	-	112
120		-	-	-	-	-	-	-	2.9	2.2	-	-	-	-	-	-	-	-	-	120

 9,500 lb		 26.6 ft x 23.6 ft		360°												85%		
		(ft)																
ft		39.4	53.5	67.3	81.4	95.5	109.6	123.4	132.5	146.7	163.7	165.4	167.0	179.1	194.9	ft		
1,000 lb																		
10		58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	-	-	10	
12		58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	-	12	
14		58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	-	14	
16		58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	16	
18		58.0	58.0	58.0	58.0	58.0	-	-	-	-	-	-	-	-	-	-	18	
20		58.0	58.0	58.0	58.0	58.0	56.0	-	-	-	-	-	-	-	-	-	20	
24		58.0	58.0	58.0	58.0	56.3	53.3	48.7	-	-	-	-	-	-	-	-	24	
28		52.9	54.1	54.3	53.3	51.3	47.7	44.2	-	-	-	-	-	-	-	-	28	
32		42.0	44.2	44.5	45.4	43.7	40.4	37.0	34.4	-	-	-	-	-	-	-	32	
36		-	36.4	38.2	38.3	36.9	34.7	31.9	30.0	27.8	-	-	-	-	-	-	36	
40		-	30.6	31.7	31.4	30.8	30.0	28.1	26.8	24.8	18.0	22.7	20.8	17.9	-	-	40	
48		-	-	23.0	23.0	23.8	23.0	22.6	21.0	20.1	16.6	16.8	18.6	16.7	12.6	-	48	
56		-	-	17.4	18.4	18.1	18.4	17.8	17.2	16.1	14.7	12.5	14.1	13.6	11.4	-	56	
64		-	-	-	14.2	14.6	14.2	14.0	13.3	13.1	11.9	9.0	10.6	10.1	8.4	-	64	
72		-	-	-	11.3	11.5	11.1	10.9	11.1	10.2	9.1	6.2	7.8	7.3	5.8	-	72	
80		-	-	-	-	9.2	9.0	8.5	8.7	7.9	7.0	4.2	5.7	5.3	3.9	-	80	
88		-	-	-	-	7.4	7.2	6.7	6.7	6.1	5.3	2.6	4.0	3.7	2.4	-	88	
96		-	-	-	-	-	5.7	5.3	5.3	4.6	3.9	-	2.6	2.4	-	-	96	
104		-	-	-	-	-	4.4	3.9	4.1	3.3	2.6	-	-	-	-	-	104	
112		-	-	-	-	-	-	2.8	3.0	2.4	-	-	-	-	-	-	112	
120		-	-	-	-	-	-	-	2.1	-	-	-	-	-	-	-	120	

Basic machine

Equipment carrier

Engine 340-4	MTU; Output 340 kW (462 HP) at 1700 1/min, torque 2200 Nm at 1300 1/min; certifications in accordance with EURO MOT 4, TIER 4, CARB; Stainless steel exhaust system with certified spark arrestor.
Fuel tank 410	108 gallons; Fuel: Diesel.
Transmission AS12INT	ZF AS-Tronic; Automated gearbox with integrated hydraulic retarder, 12 forward speeds and 2 reverse; 2-stage transfer case with switchable off-road gear and switchable longitudinal lock.
Axles 8 x 6 x 8	8 x 6 x 8; 4 axles, axles 1, 2, 4 driven and equipped with selectable transverse lock; All axles steered.
Suspension	Hydropneumatic suspension with axle load compensation; Hydraulically lockable; Manual or automatic levelling alternatively.
Steering	Dual circuit hydro servocom steering with emergency steering pump; Active rear axle steering (axles 3 and 4) with 6 different steering programs.
Brakes	Pneumatic dual circuit service brake with antilock system, acting on all wheels; Disc brakes; Additional exhaust brake and constant throttle valve; Spring-loaded parking brake.
Tires size 385/95 R25 (14.00R25)	Tires size 385/95 R25 (14.00R25); Steel rims 9,50-25/1,7".
Cab 2550	Type 8.4 ft; Adjustable driver seat with seat heating, armrests and pneumatic suspension; Steering wheel height and tilt adjustable; Power door windows; Tinted glass; Air condition and radio preparation; 2 integrated rotary beacons; Storage area.
Heating	Engine-dependent warm water heating with 12 kW heating power.
Drive lights	With low beam, upper beam, daytime running lights, fog lights and cornering lights.
Cruise control	Automatic speed control including automatic brake control.
Electronic immobiliser system	Prevents uncontrolled carrier mobilisation; Incl. 2 electronic keys and 4 ignition keys.
Contour safety marking	Continuous, yellow reflecting bands at carrier sides and tail.

Equipment superstructure

Telescopic boom HA50	39.0 ft - 164.0 ft; Single cylinder telescoping system, manual or automatic telescoping alternatively; Attachments for all equipment and extensions; 5 sheaves integrated in boom head for max. capacity of 142,200 lb.
Counterweight EG19	42,500 lb, 5 pieces; Automatic rigging system; Expandable to max. 54,000 lb; 42,500 lb can be carried on board as standard; 9,500 lb fixed at crane tail.
Outriggers	H-4-Point design; Vertical and horizontal movement fully hydraulic; Manual or automatic levelling alternatively on both sides of carrier; 4 outrigger bases.
Outrigger basis monitoring	Surveillance of each outrigger beam for visual comparison with the programmed outrigger basis; Displayed in LMI crane cab (Attention – there is no automatic linkage with the LMI system).
Outrigger pads 028	4 outrigger pads A = 0.92 ft ² with transport position at vertical cylinder.
Boom luffing	Single luffing cylinder with automatic lowering brake valve.
Rotary drive	Single slewing gear unit with spring-loaded multi-disc brake.
H1	Hoist with spring-loaded multi-disc brake; Resolver (hoist rotation indicator).
Engine 129-4	MTU; Output 129 kW (175 HP) at 2200 1/min, torque 750 Nm at 1200 1/min; certifications in accordance with EURO MOT 4, TIER 4, CARB; Exhaust system cpl. stainless steel, incl. spark arrestor.
Fuel tank 200	53 gallons; Fuel: Diesel.
Drive	Hydraulic system with power control; Hydraulic oil cooler.
Control system	Enabling 4 simultaneous working movements; Electric pilot controls via 2 two-axis joysticks.
Operator aids	IC-1, with integrated load moment indicator acc. EN13000; Colour display; Displaying of current operating conditions, load charts, fault indicator; Signal lights indicating LMI-load; Crane data logger.
Working range limiter	Displaying and programmability of the work range limits by IC-1.
Cab 0875	Type 2.9 ft; Tilt variable 20°; Seat heating; Fold-out front window; Extendable side and foldable front pedestal; Handrails; Tinted safety glass; Pull-down sun visor and light curtains; Air condition and radio preparation.
Heating	Engine-dependent warm water heating with 12 kW heating power.

Additional equipment

Carrier

Axles 8 x 8 x 8	8 x 8 x 8; All 4 axles steered and permanently driven and equipped with selectable transverse lock.
Auxiliary heating engine independent	Auxiliary, engine independent Diesel heating system with 10 kW heating power; With timer; Switchable between engine block and carrier cab.

Superstructure

Telescopic boom HA60	39.4 ft - 194.9 ft; Single cylinder telescoping system, automatic telescoping; Attachments for all equipment and extensions; 5 sheaves integrated in boom head for max. capacity of 142,200 lb.
S1 Heavy lift attachment stage 1	2-sheave; Dis-/connectable; For total 7 sheaves at boom head and max. capacity of 176,400 lb.
2. hoist (H2)	2. hoist; Spring-loaded multi-disc brake; Resolver (hoist rotation indicator); Incl. quick couplings and transport storage; Self-rigging; Enables 2-hook operation with all extensions.
Counterweight NEG19	Version for countries with special road regulations; Enables self-downrigging < 88,200 lb total weight and axle loads < 26,500 lb; Total 42,500 lb à 5 pieces; Automatic rigging system, expandable to max. 54,000 lb; Individual technical verification required.
Additional counterweight 11,500 lb	11,500 lb, 2 pieces; For max. 54,000 lb à 7 pieces.
Quick connection HA	Hydraulic bolt extractors and hydraulic and electric quick couplings for fast (dis-) assembly; Incl. transport storage for luffing cylinder.

Handling

Remote control	Full control of rigging and crane movements via wireless remote control.
Outrigger load indicator	Displayed in LMI crane cab.
IC-1 Plus	Smart crane control system enabling higher lifting capacities especially over outriggers. Enables safe use of the full capacity of the crane even in asymmetric outrigger configurations. Outriggers can be positioned independently. Capacity precalculation for +/- 30° slewing angle and radius area. Provided with graphical lift planning application. In-cab lift simulation.

Extensions

HAV19	33.1 ft / 62.3 ft; Double folding swing-away jib, manual offset 20° / 40°; 1-sheave head; Incl. transport storage; Includes HAV10; Operation with HA.
HAV27	88.6 ft; Variable extension with swing-away jib, manual offset 20° / 40°; 1-sheave head; Incl. transport storage; Includes HAV19.
HAV-HY	Hydraulic, stepless offset 0°-40°, instead of the manual offset; For HAV10, respectively HAV19 and HAV27.
MS (runner)	4.9 ft; Fixed assembly jib, 2-sheaves for max. capacity 58,600 lb; Incl. transport storage at boom head.
Swing-away rooster sheave	1 sheave; Incl. transport storage; For single-reeving operation with elevated hook height.

Hook Blocks

Hook block 100-7-18-D	100-7-18-D (1,650 lb); Hook block with ramshorn hook; white with red signal stripes.
Hook block 80-5-18-D	80-5-18-D (1,430 lb); Hook block with ramshorn hook; white with red signal stripes.
Hook block 50-3-18-D	50-3-18-D (1,210 lb); Hook block with ramshorn hook; white with red signal stripes.
Hook block 20-1-18-E	20-1-18-E (770 lb); Hook block with single hook; white with red signal stripes.
Hook 8-0V-18-E	8-0V-18-E (375 lb); Single hook with vertical swivel; red.

Further additional equipment on request!

Weight data may deviate from posted values based on road / travel configuration, equipment configuration, and component weight tolerances.

Ratings are in compliance with ASME B30.5.

Lifting capacities do not exceed 85 % of tipping load.

Weight of hook blocks and slings is part of the load, and is to be deducted from the capacity ratings.

Consult operation manual for further details.

Note: Data published herein is intended as a guide only and shall not be construed to warrant applicability for lifting purposes. Crane operation is subject to the computer charts and operation manual both supplied with the crane.

Effective Date: April 2016.

Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the appropriate Operator's Manual when using our equipment or to otherwise act irresponsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and Terex makes no other warranty, express or implied. Products and services listed may be trademarks, service marks or trade-names of Terex Corporation and/or its subsidiaries in the USA and other countries. All rights are reserved. Terex[®] is a registered trademark of Terex Corporation in the USA and many other countries.

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